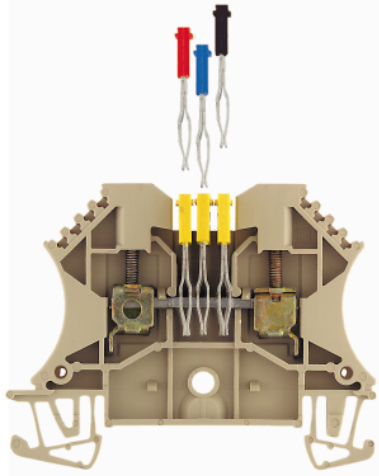


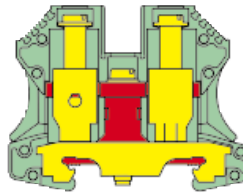
# Terminals

## W-Series



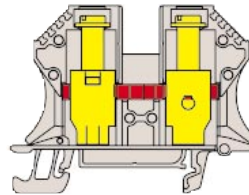
Pluggable cross-connections for

**WDU 2.5** Page 2/4



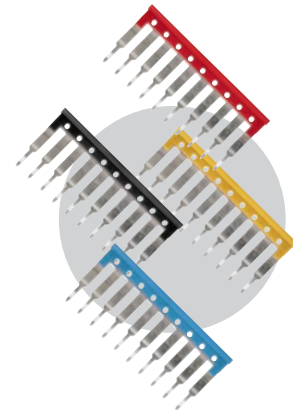
Installation terminal blocks

**WPE 35 N** Page 2/14



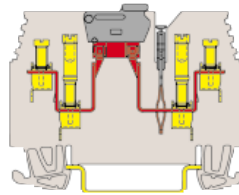
Installation terminal blocks

**WDU 35 N** Page 2/9



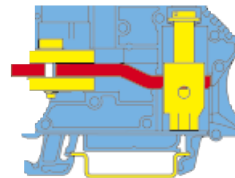
different colour versions

**ZQV Cross-connections** Page 2/5



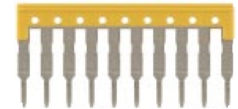
Disconnect test terminal blocks

**WTR 2.5/ZZ** Page 2/23



Installation terminal blocks

**WNT 35 N** Page 2/17



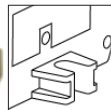
**Cross-connections**

Page 2/4

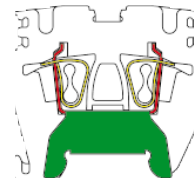
## Z- Series Miniblocks in tension clamp technology



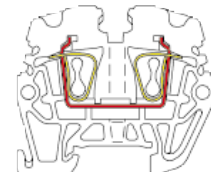
**ZDUB 2.5-2 Direct mounting** Page 2/57



**ZDUB 2.5-2 TS15/TS35** Page 2/57



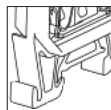
**ZPEB 2.5-2/2AN TS15** Page 2/59



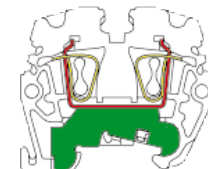
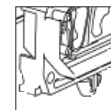
**ZDUA 2.5-2 TS15** Page 2/59



**ZDUB 2.5-2 TS15** Page 2/57



**ZDUB 2.5-2 Rastclip** Page 2/57

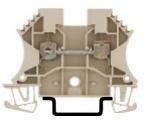




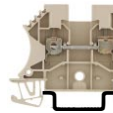








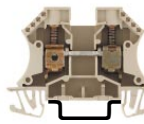

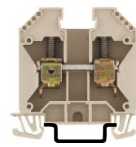
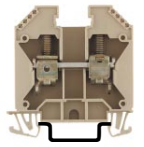
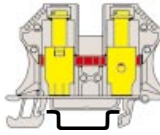

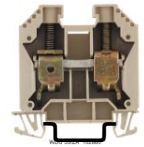
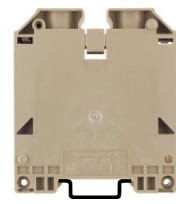


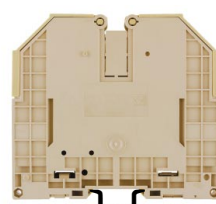



**ZPEA 2.5-2 TS15** Page 2/59


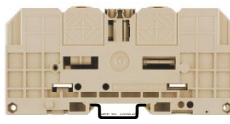
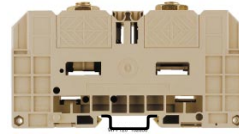

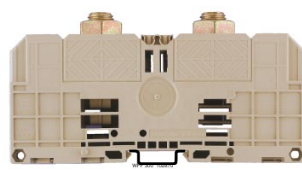
# Terminals

**W Series** - Innovative terminals made of inflammable polyamide



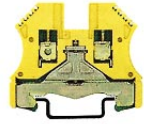








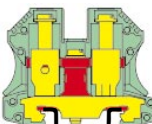




**Feed-through terminal blocks in Wemid for TS 35**

|   |   |  |   |  |   |   |   |   |
|---|---|--|---|--|---|---|---|---|
|    |   |   |   |  |   |   |   |   |
| <b>WDU 2.5</b>  |   | <b>WDU 2.5/10</b>  |   |  |   |   |   |   |
| Page 2/5  |   | Page 2/5   |   |  |   |   |   |   |
|    |    |     |      |     |    |  |  |  |
| <b>WDU 2.5N</b><br><b>WDU2.5N/10/BEZ</b>  | <b>WDU 1.5/ZZ</b>   | <b>WDU 2.5/1.5/ZR</b>  | <b>WDU 2.5</b><br><b>WDU 2.5/10/BEZ</b>   | <b>WDK 2.5</b><br><b>WDK 2.5/10/BEZ</b>  | <b>WDK 2.5</b><br>800 V   | <b>WDK 2.5 V</b>  | <b>WDK 2.5 DU-PE</b>  | <b>WDK 2.5 E</b><br><b>WDK 2.5 E GET.SCH.</b>                                       |
| Page 2/6  | Page 2/6  | Page 2/6   | Page 2/6  | Page 2/7   | Page 2/7  | Page 2/7  | Page 2/7  | Page 2/7  |
|    |    |     |      |   |  |   |   |   |
| <b>WDU 4</b><br><b>WDU 4/10/BEZ</b>   | <b>WMA 4/5</b><br><b>WMA 4/4</b>  | <b>WDU 6</b><br><b>WDU 6/10/BEZ</b>  | <b>WDU 10</b>   | <b>WDU 16N</b>   | <b>WDU 16</b>   |   |   |   |
| Page 2/7  | Page 2/8  | Page 2/8   | Page 2/8  | Page 2/8   | Page 2/9  |   |   |   |
|  |  |   |   |  |   |   |   |   |
| <b>WDU 16/ZA</b><br>with lug  | <b>WDU 35N</b>  | <b>WDU 35</b>  | <b>WDU 35/ZA</b><br>with lug  | <b>WDU 70N</b>   |   |   |   |   |
| Page 2/9  | Page 2/9  | Page 2/9   | Page 2/9  | Page 2/9   |   |   |   |   |
|  |  |  |  |  |   |   |   |   |
| <b>WDU 70/95</b>  | <b>WDU 70/95/...</b><br>Block of three  | <b>WDU 120/150</b>   | <b>WDU 120/150/...</b><br>Block of three  |  |   |   |   |   |
| Page 2/10   | Page 2/11   | Page 2/11  | Page 2/11   |  |   |   |   |   |


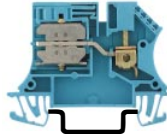
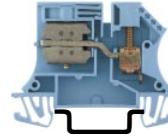

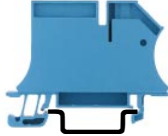
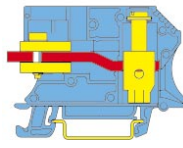

**Tab connection terminals in Wemid for TS 35**

|   |   |   |  |   |
|---|---|---|--|---|
|  |  |  |  |  |
| <b>WFF 35</b><br>M 6  | <b>WFF 70</b><br>M 8  | <b>WFF 120</b><br>M10   | <b>WFF 185 M 12 / WFF 185 M 16</b><br>M 12 / M 16                                    | <b>WFF 300</b><br>M 16  |
| Page 2/12   | Page 2/12   | Page 2/13   | Page 2/13  | Page 2/13   |






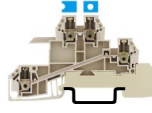


Protective conductor terminal blocks in Wemid for TS 35

|   |   |   |   |   |  |   |   |
|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |
| <b>WPE 2.5N</b>   | <b>WPE 1.5/ZZ</b>   | <b>WPE 2.5</b>  | <b>WPE 2.5/1.5/ZR</b>   | <b>WDK 2.5 PE</b>   | <b>WDK 2.5 DU-PE</b>   | <b>WPE 4</b>  | <b>WPE 6</b>  |
| Page 2/14   | Page 2/14   | Page 2/14   | Page 2/14   | Page 2/15   | Page 2/15  | Page 2/15   | Page 2/15   |
|  |  |  |  |  |  |  |  |
| <b>WPE 10</b>   | <b>WPE 16N</b>  | <b>WPE 16</b>   | <b>WPE 35N</b>  | <b>WPE 35</b>   | <b>WPE 70N</b>   | <b>WPE 70/95</b>  | <b>WPE 120</b>  |
| Page 2/14   | Page 2/14   | Page 2/14   | Page 2/14   | Page 2/15   | Page 2/15  | Page 2/15   | Page 2/15   |






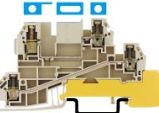

Isolating neutral terminal blocks in Wemid for TS 35

|   |   |   |   |  |  |  |
|---|---|---|---|--|--|--|
|  |  |  |  |  |  |  |
| <b>WNT 2.5</b>  | <b>WNT 4</b>  | <b>WNT 6</b>  | <b>WNT 10</b>   | <b>WNT 16N</b>   | <b>WNT 35 N</b>  | <b>WNT 70N</b>   |
| Page 2/16   | Page 2/16   | Page 2/16   | Page 2/16   | Page 2/17  | Page 2/17  | Page 2/17  |

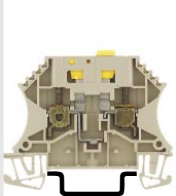
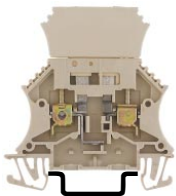
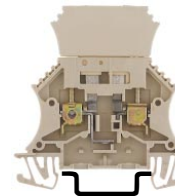
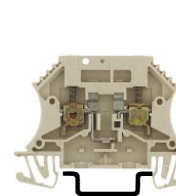
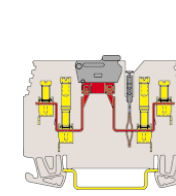
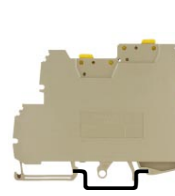
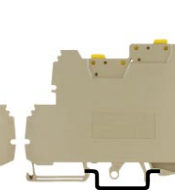

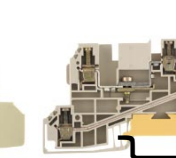
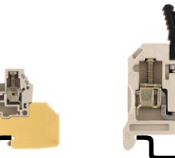

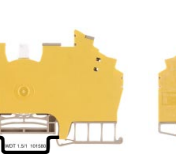
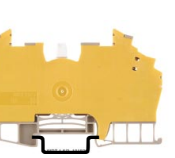
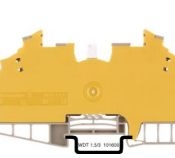
Three-way terminal blocks in Wemid for TS 35 with 10 x 3 N-Ssch

|   |   |   |   |   |  |   |   |
|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |
| <b>WDL 2.5<br/>S/NT/L/PE</b>  | <b>WDL 2.5<br/>S/L/L</b>  | <b>WDL 2.5 S-Blocks</b>   | <b>WDL 2.5<br/>S/N</b>  | <b>WDL 2.5<br/>S/L</b>  | <b>WDL 2.5<br/>S/N/L</b>   | <b>WDL 2.5<br/>S/N/L/PE</b>   | <b>WDL 2.5<br/>S/L/L/PE</b>   |
| Page 2/18   | Page 2/18   | Page 2/19   | Page 2/19   | Page 2/19   | Page 2/19  | Page 2/19   | Page 2/19   |

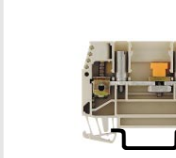

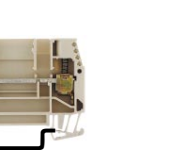
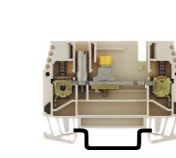

Three-way terminal blocks in Wemid for TS 35 with WQV 4 N-cross-connection system

|   |   |   |   |  |   |   |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| <b>WDL 2.5/NT/L/PE</b>  | <b>WDL 2.5/L/L</b>  | <b>WDL 2.5/N</b>  | <b>WDL 2.5/L</b>  | <b>WDL 2.5/N/L</b>   | <b>WDL 2.5/N/L/PE</b>   | <b>WDL 2.5/L/L/PE</b>   |
| Page 2/20   | Page 2/20   | Page 2/21   | Page 2/21   | Page 2/21  | Page 2/21   | Page 2/21   |

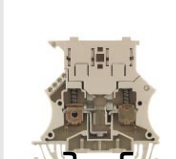





### Disconnect test terminal blocks in Wemid

|  |   |   |   |  |   |   |
|--|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| <b>WTR 2.5</b><br>Take-out disconnect  | <b>WTR 2.5 D</b><br>with diode plug   | <b>WTR 2.5 D</b><br>with diode plug and socket type StB 2.3                       | <b>WTR 2.5</b><br>without breaker   | <b>WTR 2.5/ZZ</b>  | <b>WDTR 2.5</b>   | <b>WDTR 2.5/WE</b>  |
| Page 2/22  | Page 2/22   | Page 2/22   | Page 2/22   | Page 2/23  | Page 2/23   | Page 2/23   |
|  |  |  |  |  |  |  |
| <b>WDL 2.5TR-DU-PE</b>   | <b>WDL 2.5TR-DU</b>   | <b>SAK 4/35</b>   | <b>WDT 1.5/1</b><br>current measuring   | <b>WDT 1.5/2</b><br>insulation measuring   | <b>WDT 1.5/3</b><br>insulation measuring  | <b>WDT 1.5/3</b><br>insulation measuring  |
| Page 2/23  | Page 2/23   | Page 2/23   | Page 2/24   | Page 2/24  | Page 2/24   | Page 2/24   |



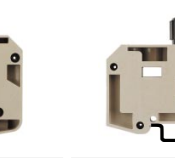
### Disconnect test terminal in wemid for TS 35 and TS 32

|   |  |  |  |   |
|---|--|--|--|---|
|  |  |  |  |  |
| <b>WTL 6/1/STB</b><br>Longitud. disconnect  | <b>WTD 6/1</b><br>Feed-through   | <b>WTQ 6/1</b><br>Cross disconnect   | <b>WTL 6/2</b><br>Longitud. disconnect   | <b>WTL 6/3/STB</b><br>Safety socket   |
| Page 2/30   | Page 2/30  | Page 2/31  | Page 2/31  | Page 2/31   |


### Fuse terminals in Wemid for TS 35

|  |   |   |   |  |   |
|--|---|---|---|--|---|
|  |  |  |  |  |  |
| <b>WSI 6</b><br>for metric fuses   | <b>WSI 6 LD</b><br>with LEDs for VAC/VDC  | <b>WSI 6/2 LD</b><br>with 2 LEDs for VDC  | <b>WSI 6/2</b><br>for inch fuses  | <b>WSI 6/2 / LED</b><br>for inch fuses VAC/VDC                                       | <b>WSI 6/2 / 2 LED's</b><br>for inch fuses VDC  |
| Page 2/32  | Page 2/32   | Page 2/32   | Page 2/32   | Page 2/33  | Page 2/33   |

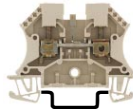
### Fuse terminals in Wemid for TS 35

|  |   |   |
|--|---|---|
|  |  |  |
| <b>SAKS 4/35</b><br>für D 01-fuses E 14  | <b>SAKS 2/35</b><br>für D-fuses E 16  | <b>SAKS 5/35</b><br>für D 02-fuses E 18   |
| Page 2/33  | Page 2/33   | Page 2/33   |

### Thermocouple terminals

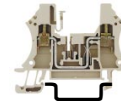
|   |
|---|
|  |
| <b>WDU 2.5/TC</b><br>Types K,T,J,S+R,B,E  |
| Page 2/34   |

**Terminals with plug-in connection WSA**



**WDU 4 SA**  
400 V  
Page 2/35

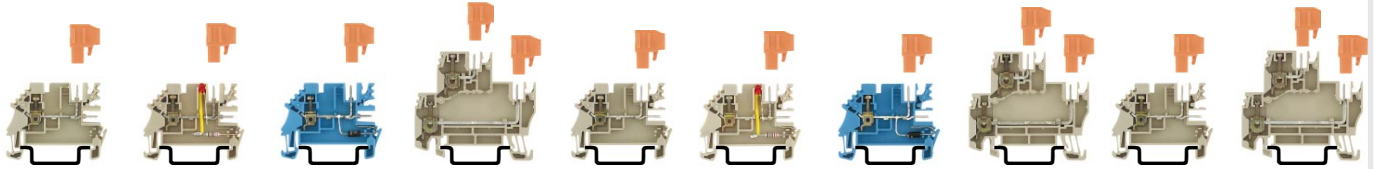
**Terminal housing to take electronic components**



**WPO**

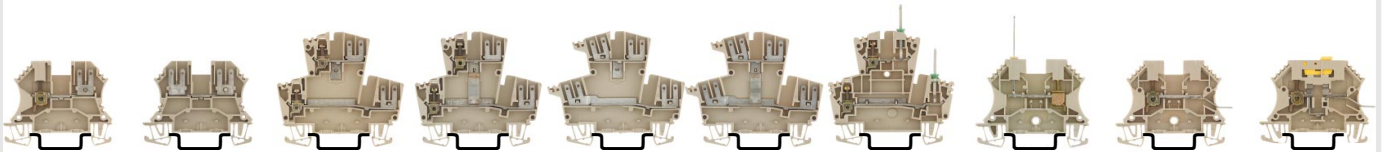
Page 2/35

**Feed-through terminal blocks in Wemid for BLA/BLZ plug-in connectors**



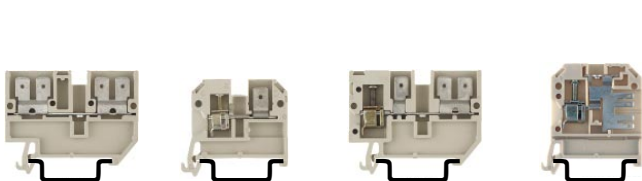
|                    |                       |                      |                           |                         |                                |                            |                           |                           |                           |
|--------------------|-----------------------|----------------------|---------------------------|-------------------------|--------------------------------|----------------------------|---------------------------|---------------------------|---------------------------|
| <b>WDU 1.5/BLA</b> | <b>WDU 1.5/LD/BLA</b> | <b>WDU 1.5 R/BLA</b> | <b>WDK 2.5 BLA R 5.08</b> | <b>WDU 1.5 BLZ 5.08</b> | <b>WDU 1.5/LD/BLZ/ LD/5.08</b> | <b>WDU 1.5/BLZ/ R 5.08</b> | <b>WDK 2.5/BLZ R 5.08</b> | <b>WDU 2.5/BLZ R 7.62</b> | <b>WDK 2.5/BLZ R 7.62</b> |
|                    | with LED red          | blue                 | 250 V                     |                         | with LED red                   | blue                       | 250 V                     | 400 V                     | 400 V                     |
| Page 2/36          | Page 2/36             | Page 2/36            | Page 2/36                 | Page 2/37               | Page 2/37                      | Page 2/37                  | Page 2/37                 | Page 2/37                 | Page 2/37                 |

**Feed-through terminals with solder, tab, Termipoint® and Wire-wrap® connection in Wemid for TS 35**



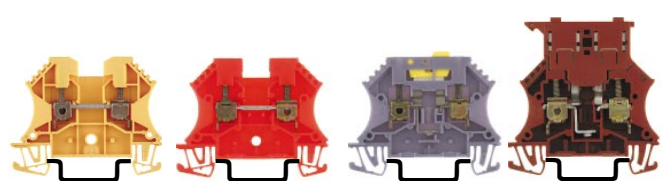
|                  |                   |                  |                   |                   |                    |                   |                  |                   |                   |
|------------------|-------------------|------------------|-------------------|-------------------|--------------------|-------------------|------------------|-------------------|-------------------|
| <b>WDU 2.5 F</b> | <b>WDU 2.5 FF</b> | <b>WDK 2.5 F</b> | <b>WDK 2.5 FV</b> | <b>WDK 2.5 FF</b> | <b>WDK 2.5 FFV</b> | <b>WDK 2.5 T</b>  | <b>WDU 2.5 T</b> | <b>WDU 2.5 L</b>  | <b>WTR 2.5 L</b>  |
|                  |                   |                  |                   |                   |                    | <b>WDK 2.5 TT</b> |                  | <b>WDU 2.5 LL</b> | <b>WTR 2.5 LL</b> |
| Page 2/38        | Page 2/38         | Page 2/38        | Page 2/38         | Page 2/39         | Page 2/39          | Page 2/39         | Page 2/39        | Page 2/39         | Page 2/39         |

**Feed-through terminals with tab-connection**



|              |              |              |   |
|--------------|--------------|--------------|---|
| <b>AST 1</b> | <b>AST 4</b> | <b>AST 5</b> | <b>SAK 4 S/35</b><br><b>SAK 4 SS/35</b> |
| Page 2/40    | Page 2/40    | Page 2/40    | Page 2/40                               |

**Terminal blocks coloured**





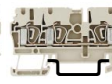
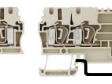


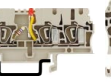




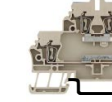






|                |              |                |              |
|----------------|--------------|----------------|--------------|
| <b>WDU 2.5</b> | <b>WDU 4</b> | <b>WTR 2.5</b> | <b>WSI 6</b> |
| Page 2/41      | Page 2/41    | Page 2/41      | Page 2/41    |






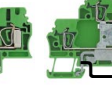




# Terminals

## Z Series - Innovative terminals with tension clamp connection



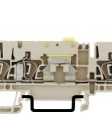

### Feed-through terminals in Wemid for TS 35

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |   |  |  |
| <b>ZDU 2.5-2/3AN</b>  | <b>ZDU 2.5-2/4AN</b>  | <b>ZDU 2.5</b>  | <b>ZDU 2.5/3AN</b>  | <b>ZDU 2.5/4AN</b>  | <b>ZDU 2.5/2 x 2 AN</b>   | <b>ZDU 2.5</b>  | <b>ZDU 2.5</b>  | <b>ZDU 4</b>  | <b>ZDU 6</b>  |
|   |   | <b>ZDU 2.5/10</b>   | <b>ZDU 2.5/3AN/10</b>   | <b>ZDU 2.5/4AN/10</b>   | <b>ZDU 2.5/2 x 2 AN/10</b>  | <b>2 x 2 AN/D</b>   | <b>2x2 AN/LD</b>  | <b>ZDU 4/10</b>   | <b>ZDU 6/10</b>   |
| Page 2/44   | Page 2/44   | Page 2/44   | Page 2/44   | Page 2/45   | Page 2/45   | Page 2/45   | Page 2/45   | Page 2/45   | Page 2/45   |
|  |  |  |  |  |  |  |  |   |   |
| <b>ZDK 2.5/1.5</b>  | <b>ZDK 2.5/1.5 V</b>  | <b>ZDK 2.5/1.5 N-DU</b>   | <b>ZDK 2.5/1.5 DU-PE</b>  | <b>ZDK 2.5/1.5 N-PE</b>   | <b>ZDK 2.5/1.5/LD/1</b>   | <b>ZDK 2.5/1.5/LD/2</b>   | <b>ZDK 2.5/1.5/D/1...6</b>  |   |   |
| Page 2/46   | Page 2/46   | Page 2/46   | Page 2/46   | Page 2/46   | Page 2/47   | Page 2/47   | Page 2/47   | Page 2/47   |   |

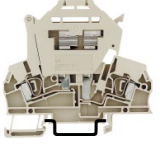
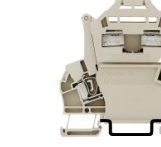
### Protective earth terminals in Wemid for TS 35

|   |   |   |   |   |   |   |  |   |   |
|---|---|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |  |  |
| <b>ZPE 2.5-2/3AN</b>  | <b>ZPE 2.5-2/4AN</b>  | <b>ZPE 2.5</b>  | <b>ZPE 2.5/3AN</b>  | <b>ZPE 2.5/4AN</b>  | <b>ZDK 2.5/1.5 PE</b>   | <b>ZDK 2.5/1.5 DU-PE</b>  | <b>ZDK 2.5/1.5 N-PE</b>  | <b>ZPE 4</b>  | <b>ZPE 6</b>  |
| Page 2/48   | Page 2/48   | Page 2/48   | Page 2/48   | Page 2/49   | Page 2/49   | Page 2/49   | Page 2/49  | Page 2/49   | Page 2/49   |

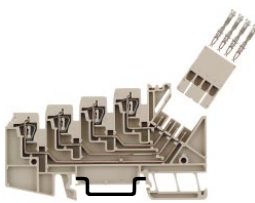
### Disconnect test terminals in Wemid for TS 35

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| <b>ZTR 2.5</b>  | <b>ZTR 2.5/3 AN</b>   | <b>ZTR 2.5/D</b>  | <b>ZTR 2.5/3 AN/D</b>   |
| Page 2/50   | Page 2/50   | Page 2/50   | Page 2/50   |

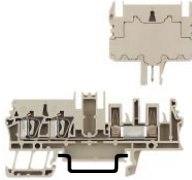
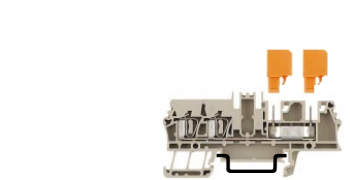
### Fuse terminals in Wemid for TS 35

|   |   |
|---|---|
|  |  |
| <b>ZSI 2.5</b>  | <b>ZSI 2.5/2</b>  |
| for metric fuses  | for inch fuses  |
| Page 2/51   | Page 2/51   |

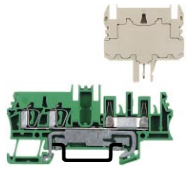
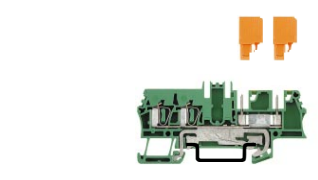
### Terminals with plug-in connector

|   |   |
|---|---|
|  |  |
| <b>ZRV 1.5 mit STGH ZRV 1.5</b>   | <b>ZRV 1.5PE mit STGH ZRV 1.5/PE</b>  |
| Page 2/53   | Page 2/53   |


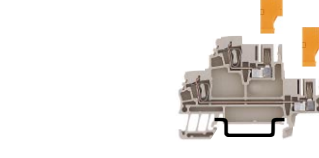
### Feed-through terminal with connector socket

|  |   |
|--|---|
|  |  |
| <b>ZKBD 2.5/1.5</b>  | <b>ZKSD 2.5/1.5</b>   |
| with ZSLD or SLZF  | with ZBLD or BLZF   |
| Page 2/54  | Page 2/54   |

### Protective earth terminal with connector socket

|   |   |
|---|---|
|  |  |
| <b>ZKBD 2.5/1.5 PE</b>  | <b>ZKSD 2.5/1.5 PE</b>  |
| with ZSLD or SLZF   | with ZBLD or BLZF   |
| Page 2/55   | Page 2/55   |

### Feed-through terminal with connector socket

|  |   |
|--|---|
|  |  |
| <b>ZDKS</b>  | <b>ZDKB</b>   |
| with BLZF  | with SLZF   |
| Page 2/56  | Page 2/56   |

### Miniblock terminals



**ZDUB 2.5-2/2AN**  
Direct mounting  
Page 2/58



**ZDUB 2.5-2/4AN**  
Direct mounting  
Page 2/58



**ZDUB 2.5-2/2AN**  
Snap-in clips  
Page 2/58



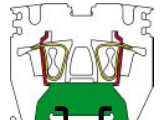
**ZDUB 2.5-2/4AN**  
Snap-in clips  
Page 2/58



**ZDUB 2.5-2/2AN**  
TS 15  
Page 2/59

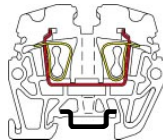


**ZDUB 2.5-2/4AN**  
TS 15  
Page 2/59

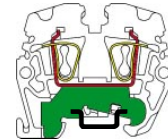


**ZPEB 2.5-2/2AN**  
TS 15  
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### New miniature terminals in tension clamp technology with modular terminal block features



**ZDUA 2.5-2**  
TS 15 / available Sep. 97  
Page 2/59



**ZPEA 2.5-2**  
TS 15 / available Sep. 97  
Page 2/59

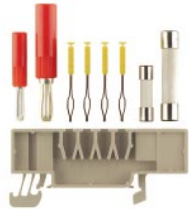
### Accessories for the Z Series



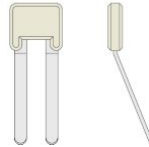
**ZZA 2.5**  
Additional connection  
Page 2/60



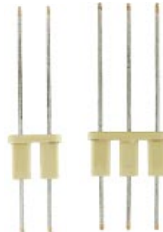
**ZBW**  
Spring displacer  
Page 2/60



**ZST**  
Mounting block  
Page 2/60



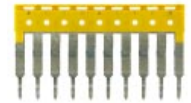
**ZQB 2.5**  
Cross-connection bridge  
Page 2/60



**SFEH**  
Wrap pins  
Page 2/61



**ZDUS**  
Shielded cable terminal  
Page 2/61



**ZQV 2.5/50**  
Cross-connection  
Page 2/61

### Modular terminals: ZIK-ZAK - with integrated cross-connection for connecting initiators and actuators



**ZIA 1,5/3 L**  
**ZIA 1,5/4 L**  
Terminal base 3-way / 4-way  
Page 2/64



**ZIA 1,5/3 L-BE**  
**ZIA 1,5/4 L-BE**  
Terminal base 3-way / 4-way  
Page 2/65

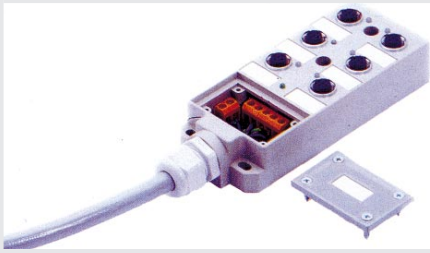


**ZVL 1.5**  
Distribution strip  
Page 2/67



**ZPV 1.5**  
Page 2/67

### SAI distributor family



**SAI- (4...6...8) K / SAI- (4...6...8) S**  
Pluggable screw connection for bus line  
Page 2/68



**Miniature circular connectors**  
SAIS-5/7  
Page 2/69

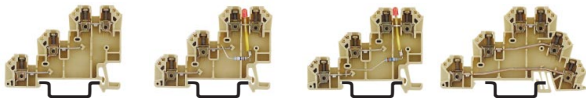


**Miniature circular connectors**  
SAISW-5/7  
Page 2/69

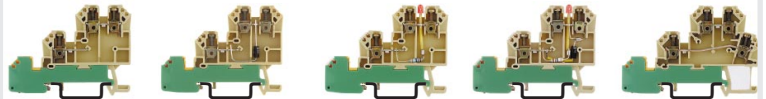
### DL-, VL series

Innovative terminals with several connection levels

#### Feed-through terminals for initiators and actuators



|                |                                     |                                     |                |
|----------------|-------------------------------------|-------------------------------------|----------------|
| <b>DLI 2.5</b> | <b>DLI 2.5/LD</b><br>with LED (NPN) | <b>DLI 2.5/LD</b><br>with LED (PNP) | <b>DLD 2.5</b> |
| Page 2/70      | Page 2/70                           | Page 2/70                           | Page 2/70      |



|                |                                |                               |                                       |                   |
|----------------|--------------------------------|-------------------------------|---------------------------------------|-------------------|
| <b>DLA 2.5</b> | <b>DLA 2.5/D</b><br>with Diode | <b>DLA 2.5/LD</b><br>with LED | <b>DLA 2.5/LD/D</b><br>with LED+Diode | <b>DLD 2.5/PE</b> |
| Page 2/71      | Page 2/71                      | Page 2/71                     | Page 2/71                             | Page 2/71         |

#### Feed-through terminals for initiators and actuators



|                  |                |                   |
|------------------|----------------|-------------------|
| <b>KDKS 1/PE</b> | <b>VLI 1.5</b> | <b>VLI 1.5/PE</b> |
| Page 2/71        | Page 2/72      | Page 2/72         |

#### Feed-through terminals for motors

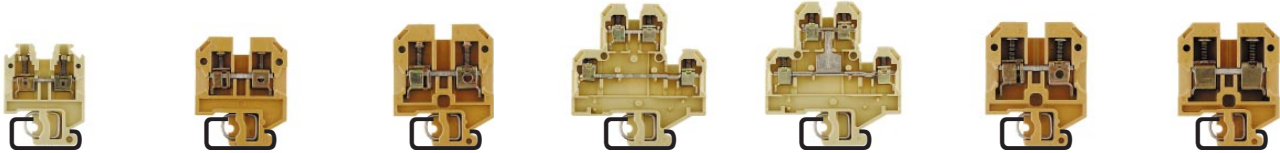


|                |
|----------------|
| <b>MAK 2.5</b> |
| Page 2/72      |

### SAK series

Standard feed-through terminals for TS 32

#### Feed-through terminals in PA 66 for TS 32



|                                 |                              |               |               |                |                |               |
|---------------------------------|------------------------------|---------------|---------------|----------------|----------------|---------------|
| <b>SAKD 2.5 N</b><br>5 mm width | <b>SAK 2.5</b><br>6 mm width | <b>SAKD 4</b> | <b>DK 4 Q</b> | <b>DK 4 QV</b> | <b>SAK 6 N</b> | <b>SAK 10</b> |
| Page 2/74                       | Page 2/74                    | Page 2/74     | Page 2/74     | Page 2/75      | Page 2/75      | Page 2/75     |



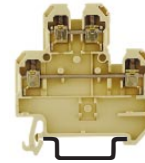
|               |                 |               |               |               |
|---------------|-----------------|---------------|---------------|---------------|
| <b>SAK 16</b> | <b>SAK 35 N</b> | <b>SAK 35</b> | <b>SAK 70</b> | <b>SAK 95</b> |
| Page 2/75     | Page 2/76       | Page 2/76     | Page 2/76     | Page 2/76     |

### Feed-through terminals for thermocouples



**SAK 2.5 TC**

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**DK 4 TC**

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### Stud terminals in KrG for TS 32



**SAKG 28 I**

M 6

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**SAKG 28 II**

M 6

Page 2/79



**SAKG 28 II G**

M 6

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**SAKG 28 III**

M 6

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**SAKG 32 I**

M 8

Page 2/80



**SAKG 32 II**

M 8

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**SAKG 32 II G**

M 8

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**SAKG 32 III**

M 8

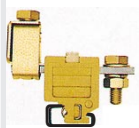
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**SAKG 70 II G**

M 8

Page 2/81



**SAKG 40 I**

M 10

Page 2/81



**SAKG 40 II**

M 10

Page 2/81



**SAKG 40 II G**

M 10

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**SAKG 40 III**

M 10

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**SAKG 46 II**

M 12

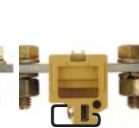
Page 2/82



**SAKG 46 II G**

M 12

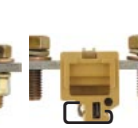
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**SAKG 54 II**

M 16

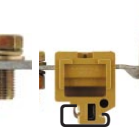
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**SAKG 54 II G**

M 16

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**SAKG 46/I AL**

M 12/M14

Page 2/83

### Stud terminals in KrG for TS 32



**SS 6**

M 6

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**SS 8 / SS 10**

M 8 / M 10

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**SS 12**

M 12

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**KST 5**

M 5

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**KST 6**

M 6

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**KST 8**

M 8

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**KST 10**

M 10

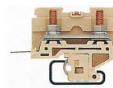
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**KST 12**

M 12

Page 2/85



**ST 5 / STSL 5**

with / without solder connection

Page 2/85

### PE terminals in PA 66 for TS 32



**EK 2.5 N**

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**EK 4**

Page 2/86



**EK 10**

Page 2/86



**EK 16**

Page 2/86



**EK 35**

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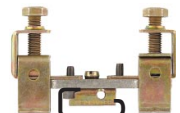
**EK 2**  
10 mm<sup>2</sup>

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**SAKE 35**

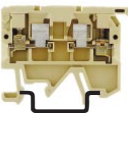

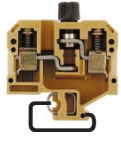
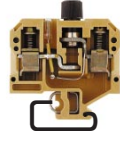
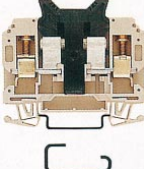
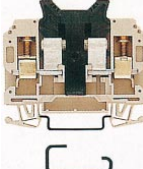
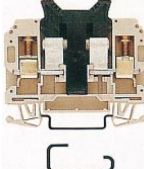




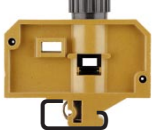
Page 2/87




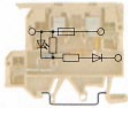
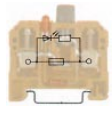
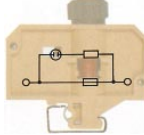
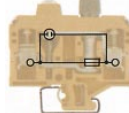
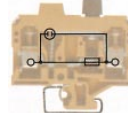
**SAKE 70**

Page 2/87


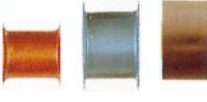
### Fuse terminals for TS 32

|   |   |   |  |   |   |   |
|---|---|---|--|---|---|---|
|  |  |  |   |   |  |  |
| <b>ASK 1</b><br>5 x 20<br>Page 2/88   | <b>KDKS 1</b><br>5 x 20 + Durchg.-Ebene<br>Page 2/88                              | <b>SAKS 1 / SAKS 1/35</b><br>5 x 20<br>Page 2/88                                  | <b>SAKS 1/G 25</b> Neon lamp<br>5 x 25<br>Page 2/88                                | <b>KSKM 1</b><br>5 x 20 SBL<br>Page 2/89  | <b>KSKM 2</b><br>1 x 1/4" SBL<br>Page 2/89  | <b>KSKM 3</b><br>1 1/4 x 1 1/4" SBL<br>Page 2/89                                    |
|  |  |  |  |  |   |   |
| <b>SAKS 3</b><br>1 1/4x1/4", 5X30<br>Page 2/90                                    | <b>SAKS 4 • SAKS 4/35</b><br>Neozed D 01<br>Page 2/90                             | <b>SAKS 5 • SAKS 5/35</b><br>Neozed D 02<br>Page 2/90                             | <b>SAKS 2</b><br>Diazed E 16<br>Page 2/91  | <b>SAKS 4 USA, Frankr.</b><br>10,3x38,1<br>Page 2/91                                |   |   |



### Fuse terminals with indicator

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| <b>ASK 1 LD</b><br>Page 2/91  | <b>KDKS 1</b><br>Page 2/91  | <b>SAKS 1</b><br>Page 2/92  | <b>SAKS 4</b><br>Page 2/92  | <b>SAKS 6</b><br>Page 2/92  | <b>SAKS 7</b><br>Page 2/92  |




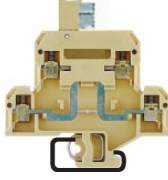


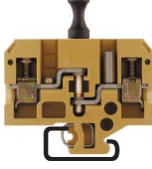
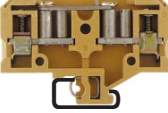

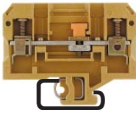
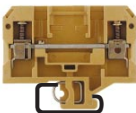

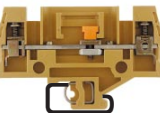


### Fuse cartridges and gauge rings for Weidmüller fuse terminals

|   |   |
|---|---|
|  |  |
| <b>Fuse cartridges</b><br>Page 2/93   | <b>gauge rings</b><br>Page 2/93   |

### Pressure connectors for TS 32

|   |   |
|---|---|
|  |  |
| <b>SV 2</b><br>Page 2/94  | <b>SV 3</b><br>Page 2/94  |

### Disconnect terminals for TS 32

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |   |
| <b>SAKR</b><br>4 mm <sup>2</sup><br>Page 2/95                                       | <b>SAKR-D</b><br>with diode plug DLS 2<br>Page 2/95                                 | <b>DKT 4</b><br>Page 2/95   | <b>DKT 4 V</b><br>Page 2/95   | <b>ASK 1</b><br>Page 2/95   | <b>SAKC 4 / SAKC 4/35</b><br>4 mm <sup>2</sup><br>Page 2/96                           | <b>SAKC 10 / SAKC 10/35</b><br>10 mm <sup>2</sup><br>Page 2/96                        |   |
|  |  |  |  |  |   |  |  |
| <b>SAKA 10</b><br>Page 2/96   | <b>SAKB 10</b><br>Page 2/96   | <b>SAKT 1/LT</b><br>Lateral disconnection<br>Page 2/97                              | <b>SAKT 1/DU 1</b><br>Feed-through<br>Page 2/97                                     | <b>SAKT 1/QT 1</b><br>Cross-disconnection<br>Page 2/97                              | <b>SAKT 2/LT</b><br>Lateral disconnection<br>Page 2/97                                | <b>SAKT 4/LT</b><br>Page 2/98   | <b>SAKT 4/DU</b><br>Feed-through<br>Page 2/98   |

**Feed-through and disconnect terminals with solder-, tab-, Termipoint®- and Wire-wrap®-connection**

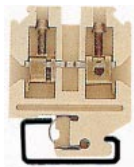
|   |   |   |   |  |   |   |
|---|---|---|---|--|---|---|
|    |    |    |    |    |    |    |
| <b>AST 1</b>  | <b>AST 3</b>  | <b>AST 4</b>  | <b>AST 5</b>  | <b>SAK 4 S</b>   | <b>SAK 4 SS</b>   | <b>SAKR F</b>   |
| Page 2/99   | Page 2/99   | Page 2/99   | Page 2/99   | Page 2/100   | Page 2/100  | Page 2/100  |
|    |    |    |  |   |   |   |
| <b>DK 4 S</b>   | <b>DK 4 S</b><br>only 2,8 mm  | <b>SAK 2.5 T</b><br>1 x 1 Pin   | <b>SAK 2.5 T</b><br>0,8 x 1,6 Pin   | <b>SAK 2.5 T</b><br>0,8 x 2,4 Pin  |   |   |
| Page 2/101  | Page 2/101  | Page 2/102  | Page 2/102  | Page 2/102   |   |   |
|    |    |    |    |    |    |    |
| <b>DK 4 T / DK 4 QT</b><br>1 x 1 Pin  | <b>DK 4 T / DK 4 QT</b><br>0,8 x 1,6 Pin  | <b>DK 4 T / DK 4 QT</b><br>0,8 x 2,4 Pin  | <b>SAKR T</b><br>1x1, 0,8x1,6, 0,8x2,4  | <b>SAK 2.5/M.LS</b><br>with shield connection  | <b>SAK 2.5 L</b>  | <b>SAK 2.5 LL</b>   |
| Page 2/103  | Page 2/103  | Page 2/103  | Page 2/103  | Page 2/105   | Page 2/105  | Page 2/105  |
|  |  |  |  |  |  |  |
| <b>SAKR L</b><br>with Disconnecter  | <b>SAKR L</b><br>with 1 x StB. ø 2,3 mm   | <b>SAKR L</b><br>with 2 x StB. ø 2,3 mm   | <b>SAKR LL</b><br>with Disconnecter   | <b>SAKR LL</b><br>with 2 x StB. ø 2,3 mm   | <b>TAL</b><br>Disconn., 2 solder conn.  | <b>TAL</b><br>Disconn., 4 solder conn.  |
| Page 2/105  | Page 2/106  | Page 2/106  | Page 2/106  | Page 2/106   | Page 2/107  | Page 2/107  |

**Rack mounted interface system**

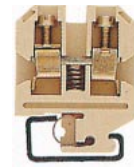


**AVR 4/10**  
0,8x1,6 + 0,8x2,4  
Page 2/104

**Ceramic feed-through terminals for use in high temperature ranges up to max. 210°C**



**SAKK 4**  
for TS 32  
Page 2/107



**SAKK 10**  
for TS 32  
Page 2/107

**Feed-through terminals for temperature measuring circuits / AKZ-series for TS 15**
















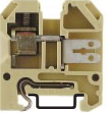


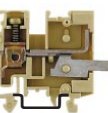
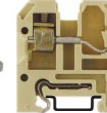
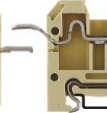
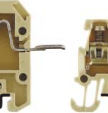









**AKZ 4/TC**

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## AKZ series










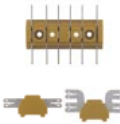

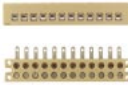

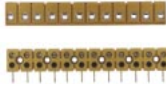
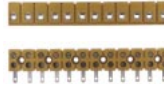
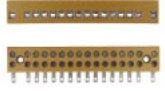
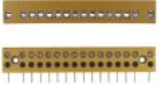
Feed-through terminals for space saving assembly

| Feed-through-, PE-, Fuse- and Disconnect terminals for TS 15                      |   |   |  |   |
|---|---|---|--|---|
|  |  |  |  |  |
| <b>AKZ 1.5</b>  | <b>AKZ 2.5</b>  | <b>AKZ 4</b>  | <b>AKZ 4</b><br>for test adapter   | <b>AK 4 • AK 4/10</b>   |
| Page 2/108  | Page 2/108  | Page 2/108  | Page 2/108   | Page 2/109  |
|  |  |  |  |  |
| <b>AKE 2.5</b>  | <b>AKE 4</b>  | <b>AKE 4 MS</b>   | <b>ASK 1</b><br>5 x 20   | <b>SAKR</b><br>2 x StB ø 2,3 mm   |
| Page 2/109  | Page 2/109  | Page 2/109  | Page 2/109   | Page 2/109  |

| Feed-through terminals with solder-, tab-, Termipoint®- and Wire-wrap®-connection   |   |   |   |   |  |   |   |   |   |
|---|---|---|---|---|--|---|---|---|---|
|     |    |    |    |    |     |     |    |    |  |
| <b>AKZ 4 SS</b><br>6,3 mm slotted   | <b>AKZ 4 SS</b><br>4 x 2,8 mm   | <b>AKZ 4 S</b><br>Srew-2x2,8mm  | <b>AKZ 4 SF</b>   | <b>AL 1</b>   | <b>AKZ 1.5 L</b>   | <b>AKZ 2,5 K</b>  | <b>AKZ 4 L</b>  | <b>AKZ 4 LL</b><br>Pin 0,8 x 1,6  | <b>AKZ 1,5 T</b><br>Pin 1 x 1   |
| Page 2/110  | Page 2/110  | Page 2/110  | Page 2/110  | Page 2/111  | Page 2/111   | Page 2/111  | Page 2/111  | Page 2/111  | Page 2/112  |
|  |  |  |  |  |  |  |  |  |   |
| <b>AKZ 1,5 T</b><br>Pin 0,8 x 1,6   | <b>AKZ 2,5 K</b><br>Pin 0,8 x 1,6   | <b>AKZ 2,5 K</b><br>Pin 0,8 x 1,6   | <b>AKZ 2,5 K</b><br>Pin 0,8 x 1,6   | <b>AKZ 4 T</b><br>1 x 1   | <b>AKZ 4 T</b><br>0,8 x 1,6  | <b>AKZ 4 T</b><br>0,8 x 2,4   | <b>AKZ 4 T</b><br>0,8 x 2,4   | <b>AKZ 4 ST</b><br>0,8 x 1,6  |   |
| Page 2/112  | Page 2/112  | Page 2/113  | Page 2/113  | Page 2/113  | Page 2/113   | Page 2/113  | Page 2/113  | Page 2/113  |   |


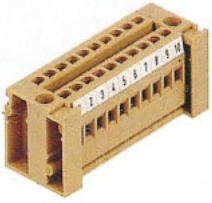
## MK-, BK series

Multipole terminal blocks and Feed-through terminals for direct mounting

| Multipole terminal blocks for direct mounting                                       |   |   |   |  |   |   |   |   |   |
|---|---|---|---|--|---|---|---|---|---|
|   |  |  |  |   |    |   |  |  |  |
| <b>MK 2/12</b><br>2,5 mm <sup>2</sup>   | <b>MK 10/14</b><br>2,5 mm <sup>2</sup>  | <b>MK 3/12</b><br>2,5 mm <sup>2</sup>   | <b>MK 4/16</b><br>2,5 mm <sup>2</sup>   | <b>MK 5/2</b><br>2,5 mm <sup>2</sup>   | <b>KS 2 ... 10</b><br>2,5 mm <sup>2</sup>   | <b>BK 2 ... 12</b><br>4 mm <sup>2</sup>   | <b>MK 6/2 ... 6/6</b><br>6 mm <sup>2</sup>  | <b>MDM 10/1</b>   | <b>MF 1/6 ... 1/12</b><br>also with single tab  |
| Page 2/115  | Page 2/115  | Page 2/115  | Page 2/115  | Page 2/116   | Page 2/116  | Page 2/116  | Page 2/116  | Page 2/117  | Page 2/117  |
|  |  |  |  |  |  |  |   |   |   |
| <b>SLS 2 4+2poles</b>   | <b>MKL 2/12</b>   | <b>MF 2/12</b>  | <b>MKL 3/12 2-12poles</b><br>vertical   | <b>MKL 3/12 2-12poles</b><br>horizontal  | <b>MKL 4/16</b><br>horizontal   | <b>MKL 4/16</b><br>vertical   |   |   |   |
| Page 2/117  | Page 2/118  | Page 2/118  | Page 2/118  | Page 2/118   | Page 2/118  | Page 2/118  |   |   |   |










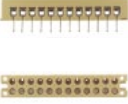
## MK-, BK series

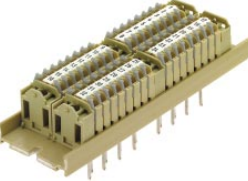




Multipole terminal blocks, Screw, solder, tab connection modular design

| Feed-through and fuse terminals for Screw connection                              |   |   |
|---|---|---|
|  |  |  |
| <b>AKB 4</b>  | <b>AKZ 2.5</b>  | <b>ASK 1</b>  |
| Page 2/119  | Page 2/119  | 5 x 20<br>Page 2/119  |

## ADK series







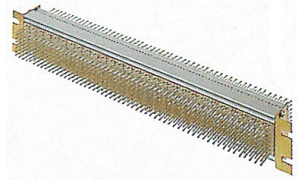
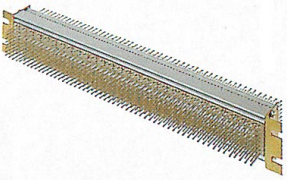
Feed-through terminals for sheet metal-cut-out mounting

| Feed-through terminals with solder-, tab-, Termipoint®- and Wire-wrap®-connection |   |   |   |   |   |  |   |   |   |
|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| <b>AKA 2.5</b>  | <b>ADK 1</b>  | <b>ADK 1 F / 3 F</b>  | <b>ADK 1 S</b>  | <b>ADK 3 W</b>  | <b>ADK 1 T</b>  | <b>ADK 2.5 K</b>   | <b>ADK 2.5 K</b>  | <b>ADK 1 FT</b>   | <b>MK 2/12</b>  |
| Page 2/120  | Page 2/120  | Page 2/120  | Page 2/120  | Page 2/121  | Page 2/121  | Page 2/121   | with Solder tag<br>Page 2/121   | Page 2/121  | Page 2/121  |

| Rack mounted interface systems  |   |   |   |   |
|---|---|---|---|---|
|  |  |  |  |  |
| <b>DSG 1.5 T/32</b>   | <b>TOP 1.5 F/32</b>   | <b>SP 10 FF / SP 10 LF</b>  | <b>SP 60 FF / SP 60 LF</b>  | <b>SP 90 FF / SP 90 LF</b>  |
| 2 x Direct, 1 x 0,8 x 1,6<br>Page 2/122   | Top-Screw - 0,8 x 2,8<br>Page 2/122   | 3 x 0,8x6,3 - 3 x 0,8x6,3<br>Page 2/122   | 3 x 0,8x6,3 - 3 x 0,8x6,3<br>Page 2/122   | 3 x 0,8x6,3 - 3 x 0,8x6,3<br>Page 2/123   |

## RV series

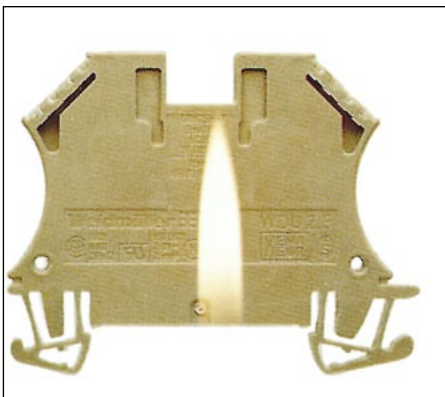
Interface system for high density wiring

| Rack mounted interface systems  |   |  |   |   |   |   |   |
|---|---|--|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| <b>RSV 8/8 long</b>   | <b>RV 8/8 long</b>  | <b>RV 8/8 short</b>  | <b>RV 8/8 short</b>   | <b>RV 8/9 long</b>  | <b>RV 8/20 short</b>  | <b>RV 8/20 short</b>  | <b>RV 8/56 short</b>  |
| 64x0,8x2,4 - 1x1<br>Page 2/124  | 64x0,8x2,4-0,8x2,4<br>Page 2/124  | 64x0,8x2,4 - 1x1<br>Page 2/124   | 64x0,8x2,4-0,8x2,4<br>Page 2/124  | 72x0,8x2,4 - 1x1<br>Page 2/124  | 160x0,8x2,4 - 1x1<br>Page 2/124   | 160x0,8x2,4 - 0,8x2,4<br>Page 2/124   | 448x0,8x2,4 - 1x1<br>Page 2/124   |
|   |   |  |   |   |   |   | 448x0,8x2,4 - 0,8x2,4<br>Page 2/124   |

## Advantages of Weidmüller terminal blocks

30 years of Weidmüller's know-how were put into the **Weidmüller W series**. The result is a new system, that defines a new standard ...

- compact design
- same dimensions in a range from 2,5 - 16 mm<sup>2</sup>, features a.o. disconnect and fuse functions
- easy project planning



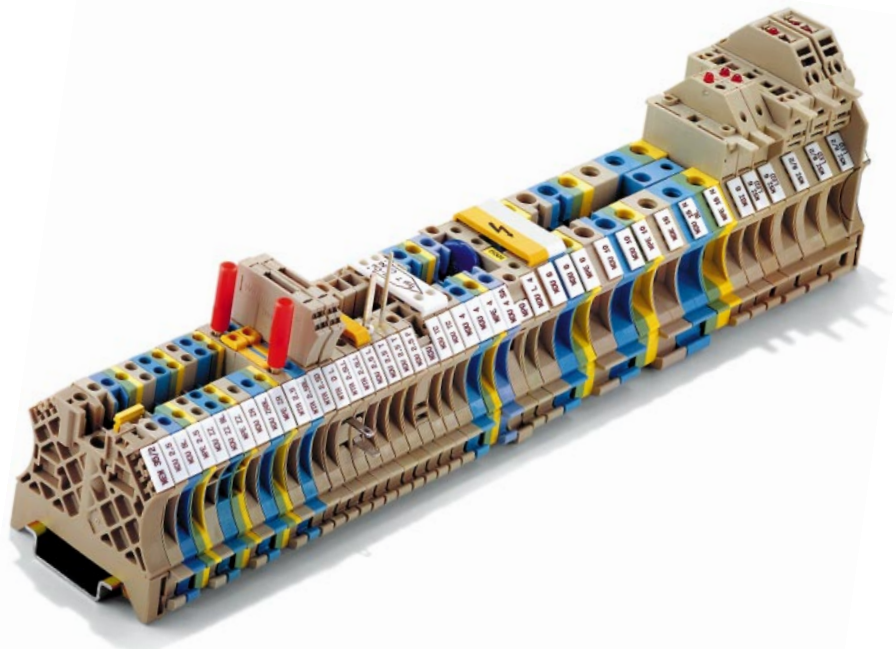
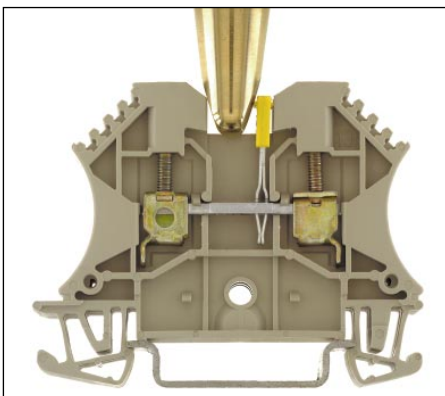
Common features of all variants are:

### Wemid insulating material

- Non-tracking – CTI 600
- Temperature resistant – 120 °C
- Self-extinguishing – VO according to UL
- No harmful substances

### New design of terminal blocks supports ease of installation and wiring.

- Recessed grips in the area of conductor entry funnels – ergonomic design feature!
- Standard overall dimensions reduce accessories.
- Restricted conductor guidance in the open clamping unit through conical entry funnel.



**Absolute shock protection** with conductors connected; for feed-through terminals also with cross connections. Safe from finger-touch according to VDE 0106, part 100.

### Reliable conductor connection through proven design features.

- High contact force  
- long-term stable contact point
- Mechanical and electrical functions safely separated by special design; vibration resistant
- Wide clamping range; also suitable for two conductors (W-series); rated cross-section also connectable with ferrule
- Corrosion-resistant copper current bar with tin-lead plated surface; low voltage drop; no risk of stress corrosion cracking
- Open clamping unit with polarizing protection
- Quick and easy conductor connection

### Types of connection

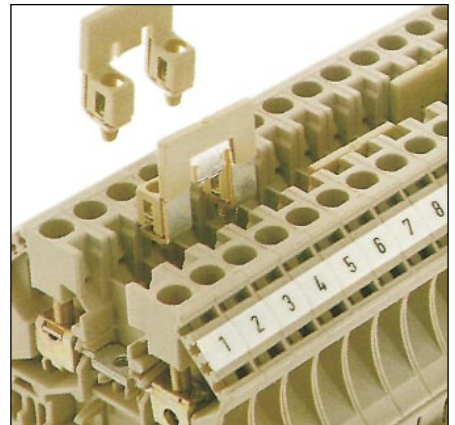
- Clamping yoke system
- Tension spring connection
- Push-on connection
- Wire-wrap connection®
- TERMI-POINT connection®
- Solder connection

**Clear marking** of incoming and outgoing conductors with **dekafix** and **WS 10/ WS 12**

### Cross connection system

- Prefitted units 2, 3, 4 and 10-pole.
- Shock protected without accessories.
- Captive fixing screws; screwdriver guide provided by recessed arrangement (W-series).
- Snap-fitting in terminal insulator; easy overhead installation.
- Connecting links can be broken off; terminal skipping possible.

- Staggered arrangement in terminal insulator; parallel routing of two potentials possible.
- No end plates or partition plates for adjacent cross connections up to 380 V.
- The full rated current of the terminal can be conducted over all pole numbers.

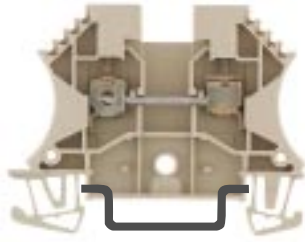


### All approvals

- SEV Switzerland
- CSA Canada
- UL USA
- NEMKO Norway
- DEMKO Denmark
- SEMKO Sweden
- KEMA Netherlands
- SETI Finland approvals
- L.C.I.E. EX approvals
- Naval approvals

Wire-Wrap® = registered trademark of the company Gardner Denver

TERMI-POINT® = registered trademark of the company AMP

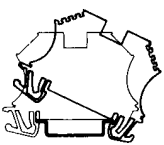


This series has **versions** for conductors up to 150 mm<sup>2</sup>.

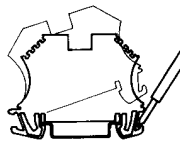
- Only two different end plates.
- The larger end plate can be used as a partition for the smaller terminals.
- Both end plates latch tightly onto the terminals.

Because of its clearly reduced external dimensions, the WDU 1.5 is particularly suitable for confined spaces. This small design does, however, make parallel cross-connection impossible and a separate end plate is needed.

#### Assembly and removal



latch on



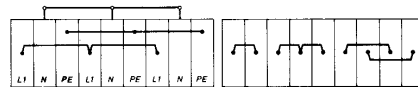
latch off

The terminals can be moved along the mounting rail with little effort. This is advantageous because it allows the position of a terminal strip to be easily matched to local conditions.

**End brackets** fitted on the left and right prevent undesired displacement and securely position the terminals. End brackets can also accept marking tags and thus be used for group marking.

The new **cross-connection** system offers particular advantages.

- Pre-assembled units with 2, 3, 4 and 10 poles.
- Shock-hazard protection according to VBG 4 or VDE 0106 Part 100/3.83 without additional components.
- Captive fixing screws. Screwdriver guidance through countersunk arrangement.
- Engageable in terminal moulding – simple overhead assembly.
- No end plates or partitions for neighbouring cross-connection up to 400V.
- The full terminal rated current can be fed across all numbers of poles.
- Snap-off connection tags - skipping of terminals is possible.
- Offset arrangement in terminal moulding – parallel use of 2 potentials possible



Combination

Feed-through terminals

for L1, N disconnect and PE terminals

Simple

Parallel

Arrangement of 2 potentials

This **cross-connection system** cannot only be employed with feed-through terminals, but also in combination with PE terminals and N-disconnect terminals. Extremely economical terminal strips can be assembled in this way.

Although each individual terminal block is shock-hazard protected **with and without** cross-connection, **covers** with high voltage flash DIN 30600 can be snap-fitted for all terminals up to 150 mm<sup>2</sup> rated cross-section; a **group tag carrier** can also be fitted as an alternative.

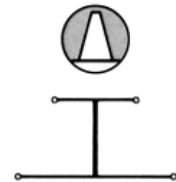
- Marking of live terminals.
- Absolute shock protection is guaranteed.
- Practical identification of functional groups in addition to terminal marking.
- Three systems available for terminal marking - up to 10 characters possible.

Weidmüller **double deck terminals** permit high wiring density despite their narrow width. The number of terminal points can be doubled by exchanging for 5 mm-wide standard terminals, without lengthening the mounting rail.

Weidmüller double deck terminals have the following wiring advantages:

- Cross-connections possible in one or both levels.
- Current bar connection between upper and lower level optional.
- Individual terminals replaceable without moving neighbouring terminals
- Clear identification of individual terminals
- For potential multiplication in confined spaces we recommend, for example, Weidmüller double deck terminals with current bar connection between the upper and lower levels.

These terminals can be recognised by the V-shaped groove in the terminal moulding.



An additional feature is the letter **V** in the type designation, such as

– WDK 2.5 **V**

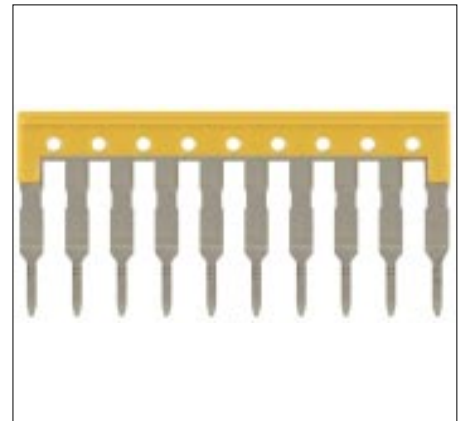
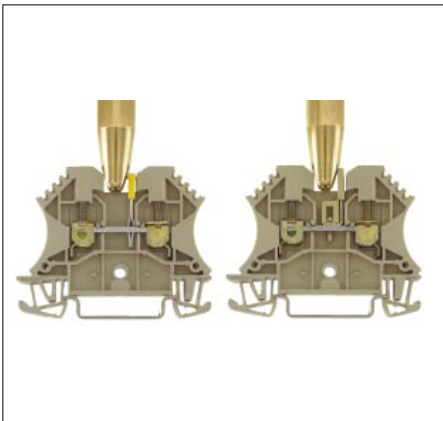
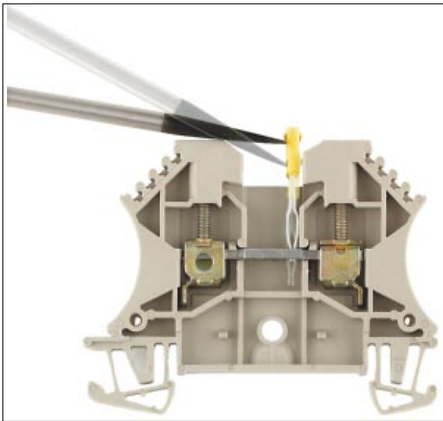
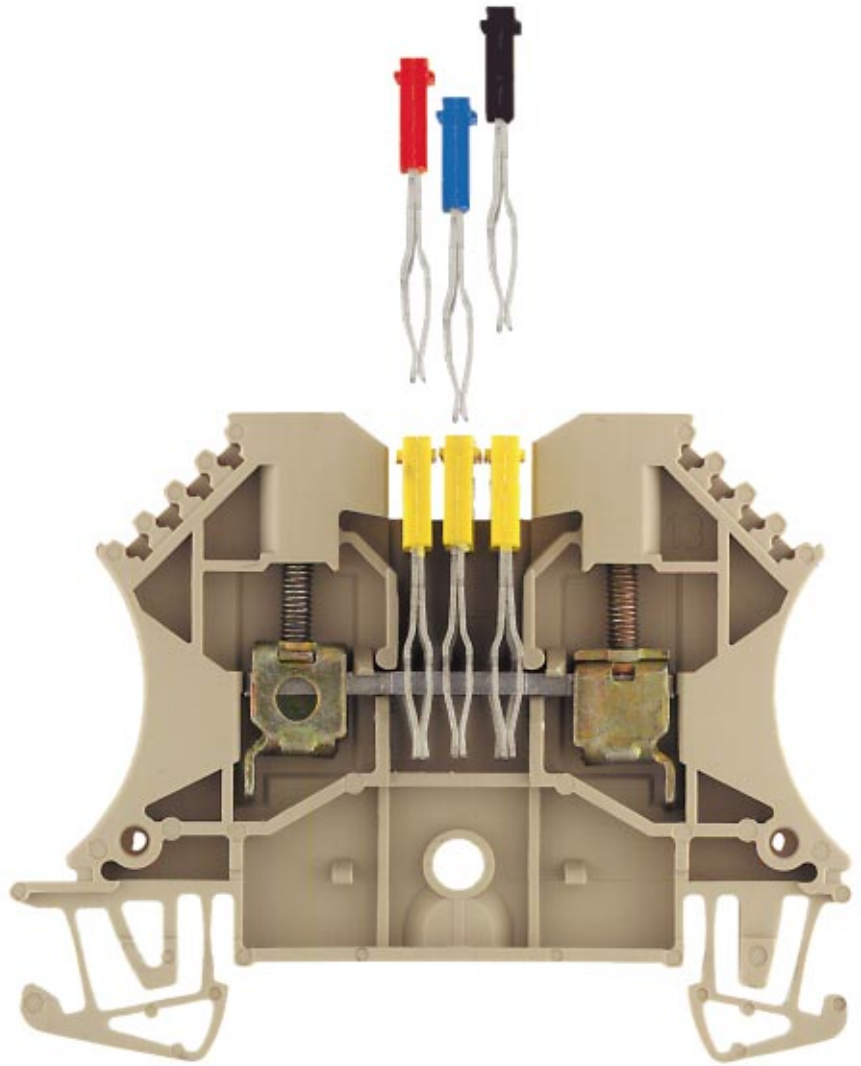
Cat.No. 102230

**Pluggable cross-connection  
system for bestseller WDU 2.5**

Cat. No. 102000

# 40 %

of all terminal blocks are cross-connected.  
Considerable assembly time saving



Touch safe protection according  
to VBG 4 and VDE 0106, Part 100 /3.83  
without additional parts

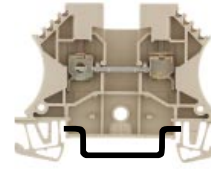
No end plates or partitions for  
neighbouring cross-connections  
up to 400 V

Contact elements can be removed  
by hand, so that several terminals  
can be skipped

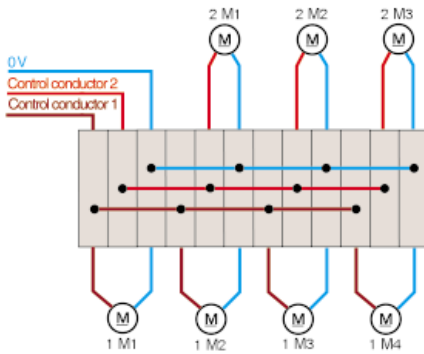
# Feed-through Terminals

## WDU 2.5

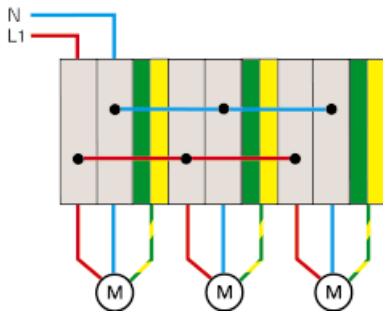
## WDU 2.5/10



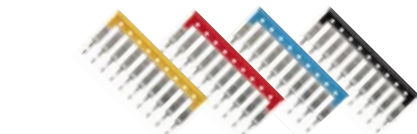
| 32 A/4 mm <sup>2</sup>         |            | 32 A/4 mm <sup>2</sup>         |      |
|--------------------------------|------------|--------------------------------|------|
| 5/60/47                        |            | 50/60/47                       |      |
| 10 mm/M 2,5/3,5 x 0,6          |            | 10 mm/M 2,5/3,5 x 0,6          |      |
| 800 V/24 A/2,5 mm <sup>2</sup> |            | 800 V/24 A/2,5 mm <sup>2</sup> |      |
| 8 kV/3                         |            | 8 kV/3                         |      |
| 0,4...0,8                      | Nm         | 0,4...0,8                      |      |
| 1                              |            | 1                              |      |
| 0,5...4                        |            | 0,5...4                        |      |
| 1,5...4                        |            | 1,5...4                        |      |
| 0,5...4                        |            | 0,5...4                        |      |
| 0,5...2,5                      |            | 0,5...2,5                      |      |
| 0,5...2,5                      |            | 0,5...2,5                      |      |
| 0,13...4                       | A 3        | 0,13...4                       | A 3  |
| 32/24                          |            | 32/24                          |      |
| 32/24                          |            | 32/24                          |      |
| 600 V/25 A/22...12 AWG         | UL         | 600 V/25 A/22...12 AWG         |      |
| 600 V/20 A/26...12 AWG         | CSA        | 600 V/20 A/26...12 AWG         |      |
| Ordering data                  | Version    | Cat. No.                       | Qty. |
|                                | Wemid      | <b>102000</b>                  | 100  |
|                                | Blue Wemid | <b>102008</b>                  | 100  |
|                                | Orange PA  | <b>102006</b>                  | 100  |
|                                |            | <b>102070</b>                  | 10   |
|                                |            | <b>102080</b>                  | 10   |



Triple use up to 125 V with ZQV 2.5N



Parallel use up to 400 V with ZQV<sup>1)</sup> 2.5N or WQV 2.5



|                     | Yellow | Red    | Blue   | Black  | Qty. |
|---------------------|--------|--------|--------|--------|------|
| ZQV 2.5N/2          | 169380 | 171790 | 171799 | 171808 | 60   |
| ZQV 2.5N/3          | 169381 | 171791 | 171800 | 171809 | 60   |
| ZQV 2.5N/4          | 169382 | 171792 | 171801 | 171810 | 60   |
| ZQV 2.5N/5          | 169383 | 171793 | 171802 | 171811 | 20   |
| ZQV 2.5N/6          | 169384 | 171794 | 171803 | 171812 | 20   |
| ZQV 2.5N/7          | 169385 | 171795 | 171804 | 171813 | 20   |
| ZQV 2.5N/8          | 169386 | 171796 | 171805 | 171814 | 20   |
| ZQV 2.5N/9          | 169387 | 171797 | 171806 | 171815 | 20   |
| ZQV 2.5N/10         | 169388 | 171798 | 171807 | 171816 | 20   |
| ZQV 2.5N/50-endless | 169389 | 171817 | 171818 | 171819 | 5    |

Colored Cross connection ZQV 2.5N

### Max. Technical Data

| Dimensions   |                  |
|--|------------------|
| Width/length/height (mm)                                     | With TS 35 x 7.5 |
| Insulation stripping length/clamping screw/screwdriver blade |                  |

| VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1 |  |
|---|--|
| Rated voltage/rated current/rated cross-section |  |
| Rated impulse voltage/pollution severity        |  |

| Further technical data                         |    |
|--|----|
| Tightening torque range                        | Nm |
| Torque setting with DMS 2 electric screwdriver |    |

| Clampable conductor  |                    |
|--|--------------------|
| solid H07V-U   | mm <sup>2</sup>    |
| stranded H07V-R  | mm <sup>2</sup>    |
| flexible H07V-K  | mm <sup>2</sup>    |
| flexible H07V-K and AEH DIN 46 228/1                       | mm <sup>2</sup>    |
| flexible H07V-K and AEH with plastic insul. collar         | mm <sup>2</sup>    |
| Max. Clamping Range in mm <sup>2</sup>                     | Gauge pin to 947-1 |
| Contin. curr. rating of cross-connection WQV/ZQV 2poles    | A                  |
| Contin. curr. rating of cross-connection WQV/ZQV multipole | A                  |

| UL / CSA rated data                |     |
|------------------------------------|-----|
| Voltage / current / conductor size | UL  |
| Voltage / current / conductor size | CSA |

| Ordering data | Version    | Cat. No.      | Qty. |
|---------------|------------|---------------|------|
|               | Wemid      | <b>102000</b> | 100  |
|               | Blue Wemid | <b>102008</b> | 100  |
|               | Orange PA  | <b>102006</b> | 100  |
|               |            | <b>102070</b> | 10   |
|               |            | <b>102080</b> | 10   |

| End plate/partition |                              | Type       | Cat. No.      | Qty. |
|---------------------|------------------------------|------------|---------------|------|
| WAP                 | WAP (thickness 1.5 mm) Wemid | WAP 2.5-10 | <b>105000</b> | 50   |
|                     | Blue Wemid                   | WAP 2.5-10 | <b>105008</b> | 50   |
| WTW                 | Wemid                        | WTW 2.5-10 | <b>105010</b> | 20   |
|                     | Blue Wemid                   | WTW 2.5-10 | <b>105018</b> | 20   |

| Cross-connection** |                | ZQV 2.5N Qty. | WQV 2.5 Qty.  | ZQV 2.5N Qty. | WQV 2.5 Qty. |
|--------------------|----------------|---------------|---------------|---------------|--------------|
| ZQV                | 2-pole         | <b>169380</b> | 60            | <b>105366</b> | 50           |
|                    | 3-pole         | <b>169381</b> | 60            | <b>105376</b> | 50           |
|                    | 4-pole         | <b>169382</b> | 60            | <b>105386</b> | 50           |
|                    | 5-pole         | <b>169383</b> | 20            | <b>105396</b> | 10           |
|                    | 6-pole         | <b>169384</b> | 20            | <b>105406</b> | 10           |
|                    | 7-pole         | <b>169385</b> | 20            | <b>105416</b> | 10           |
|                    | 8-pole         | <b>169386</b> | 20            | <b>105426</b> | 10           |
|                    | 9-pole         | <b>169387</b> | 20            | <b>105436</b> | 10           |
|                    | 10-pole        | <b>169388</b> | 20            | <b>105446</b> | 20           |
|                    | 32-pole        | -             | <b>157760</b> | 10            | -            |
|                    | endless 50pole | <b>169389</b> | 5             | <b>169389</b> | 5            |

|                             |  |  |  |
|-----------------------------|--|--|--|
| Screen lug LS 2.8           |  |  |  |
| Notching tool WAW 1 for WQV |  |  |  |

| Test adapter         |  | WTA           | Cat. No. | Qty.                 |               |    |
|----------------------|--|---------------|----------|----------------------|---------------|----|
| WTA 2                |  | <b>163232</b> | 50       | WTA 2                | <b>163232</b> | 50 |
| WTA 2/ZA             |  | <b>163233</b> | 50       | WTA 2/ZA             | <b>163233</b> | 50 |
| WTA 2/10             |  | <b>163234</b> | 5        | WTA 2/10             | <b>163234</b> | 5  |
| ZE 1 (Strain relief) |  | <b>163215</b> | 50       | ZE 1 (Strain relief) | <b>163215</b> | 50 |

| Test plug/socket |  | PS 2.3        | StB 8.5 |
|------------------|--|---------------|---------|
| PS 2.3           |  | <b>018040</b> | 20      |
|                  |  | <b>029380</b> | 20      |
|                  |  | <b>021570</b> | 50      |
|                  |  | <b>126980</b> | 50      |

| Cover                         |  | WAD 5         | WAD 5 white |
|-------------------------------|--|---------------|-------------|
| WAD with Symbol               |  | <b>105346</b> | 50          |
| WAD white (for self-labeling) |  | <b>105606</b> | 50          |

| Group marking                |  | T 5           | WGB  |
|------------------------------|--|---------------|------|
| T 5                          |  | <b>034850</b> | 100  |
| Tag carrier for S 10 markers |  | <b>033240</b> | 1000 |
|                              |  | <b>033250</b> | 1000 |

| Marking tags |                        | Print         |
|--------------|------------------------|---------------|
| DEK          | Consecutive horizontal | <b>047346</b> |
| DEK          | Consecutive vertical   | <b>047356</b> |
| WS           |                        | <b>160986</b> |
| WS DEK       |                        | <b>144746</b> |

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> When using the outer cross connection holes

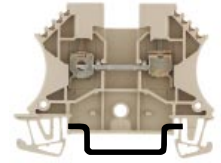
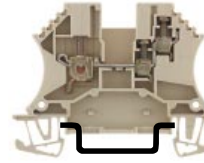
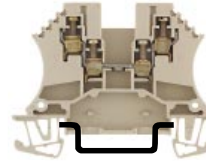
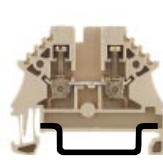
## Feed-through terminal blocks

### WDU 2.5N WDU 2.5N/10/BEZ

### WDU 1.5/ZZ

### WDU 2.5/1.5/ZR

### WDU 2.5 WDU 2.5/10/BEZ



#### Max. Technical Data

| Dimension  | WDU 2.5N<br>WDU 2.5N/10/BEZ    | WDU 1.5/ZZ                       | WDU 2.5/1.5/ZR                             | WDU 2.5<br>WDU 2.5/10/BEZ      |
|--|--------------------------------|----------------------------------|--|--------------------------------|
| Width/length/height (mm)                                     | With TS 35 x 7.5               | 5/44/37,5                        | 5/60/47                                    | 5/60/47                        |
| Insulation stripping length/clamping screw/screwdriver blade | 10 mm/M 2,5/3,5 x 0,6          | 7 mm/M 2,5/3,5 x 0,6             | 10/7 mm/M 2,5/3,5 x 0,6                    | 10 mm/M 2,5/3,5 x 0,6          |
| <b>VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1</b>       |                                |                                  |  |                                |
| Rated voltage/rated current/rated cross-section              | 500 V/24 A/2,5 mm <sup>2</sup> | 690 V/17,5 A/1,5 mm <sup>2</sup> | 690 V/24/17,5 A/2,5/1,5 mm <sup>2</sup> ** | 800 V/24 A/2,5 mm <sup>2</sup> |
| Rated impulse voltage/pollution severity                     | 6 kV/3                         | 8 kV/3                           | 8 kV/3                                     | 8 kV/3                         |

#### Further technical data

|   |    |           |           |           |           |
|---|----|-----------|-----------|-----------|-----------|
| Tightening torque range                       | Nm | 0,4...0,7 | 0,4...0,7 | 0,4...0,7 | 0,4...0,8 |
| Torque setting with DMS2 electric screwdriver |    | 1         | 1         | 1         | 1         |

#### Clampable conductor

|  |                     |                         |                         |                               |                         |
|--|---------------------|-------------------------|-------------------------|-------------------------------|-------------------------|
| solid H07V-U                                       | mm <sup>2</sup>     | 0,5...4                 | 0,5...2,5               | 0,5...4/2,5**                 | 0,5...4                 |
| stranded H07V-R                                    | mm <sup>2</sup>     | 1,5...4                 | 1,5...2,5               | 1,5...4/2,5**                 | 1,5...4                 |
| flexible H07V-K                                    | mm <sup>2</sup>     | 0,5...4                 | 0,5...1,5               | 0,5...4/1,5**                 | 0,5...4                 |
| flexible H07V-K and AEH DIN 46 228/1               | mm <sup>2</sup>     | 0,5...2,5               | 0,5...1,5               | 0,5...2,5/1,5**               | 0,5...2,5               |
| flexible H07V-K and AEH with plastic insul. collar | mm <sup>2</sup>     | 0,5...2,5 <sup>1)</sup> | 0,5...1,5 <sup>1)</sup> | 0,5...2,5/1,5** <sup>1)</sup> | 0,5...2,5 <sup>1)</sup> |
| Max. Clamping Range in mm <sup>2</sup>             | Gauge pin to 947-1  | 0,13...4                | 0,08...2,5              | 0,13...4/0,08...2,5           | 0,13...4                |
| Continuous current rating                          | WQV/ZQV 2-5-pole A  | 24/-                    | 32/24                   | 32/24                         | 32/24                   |
| of cross-connection                                | WQV/ZQV 6-10-pole A | 24/-                    | 32/24                   | 32/24                         | 32/24                   |

#### UL / CSA rated data

|                                    |     |                        |                        |                              |                        |
|------------------------------------|-----|------------------------|------------------------|------------------------------|------------------------|
| Voltage / current / conductor size | UL  | 300 V/20 A/22...12 AWG | 300 V/10 A/22...14 AWG | 300 V/20/15 A/22...12 AWG    | 600 V/25 A/22...12 AWG |
| Voltage / current / conductor size | CSA | 300 V/20 A/26...12 AWG | 300 V/10 A/26...14 AWG | 300 V/20/15 A/26...12/14 AWG | 600 V/20 A/26...12 AWG |

#### Ordering data

| Version                          | WDU 2.5N<br>WDU 2.5N/10/BEZ | WDU 1.5/ZZ        | WDU 2.5/1.5/ZR    | WDU 2.5<br>WDU 2.5/10/BEZ |
|----------------------------------|-----------------------------|-------------------|-------------------|---------------------------|
| Wemid                            | <b>102370</b> 100           | <b>103140</b> 100 | <b>102470</b> 100 | <b>102000</b> 100         |
| Blue Wemid                       | <b>102378</b> 100           | <b>103148</b> 100 | <b>102478</b> 100 | <b>102008</b> 100         |
| Orange PA                        | <b>102376</b> 100           |                   |                   | <b>102006</b> 100         |
| Terminal block printed 1-9 Wemid | <b>102490</b> 10            |                   |                   | <b>102070</b> 10          |
| Terminal block unprinted* Wemid  | <b>102480</b> 10            |                   |                   | <b>102080</b> 10          |

#### End plate/partition

| Type                         | WDU 2.5N<br>WDU 2.5N/10/BEZ   | WDU 1.5/ZZ                  | WDU 2.5/1.5/ZR              | WDU 2.5<br>WDU 2.5/10/BEZ   |
|------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|
| WAP (thickness 1.5 mm) Wemid | WAP-WDU 2.5N <b>106000</b> 50 | WAP 2.5-10 <b>105000</b> 50 | WAP 2.5-10 <b>105000</b> 50 | WAP 2.5-10 <b>105000</b> 50 |
| Blue Wemid                   | WAP-WDU 2.5N <b>106008</b> 50 | WAP 2.5-10 <b>105008</b> 50 | WAP 2.5-10 <b>105008</b> 50 | WAP 2.5-10 <b>105008</b> 50 |
| WTW                          | WTW (1,5) <b>019186</b> 20    | WTW 2.5-10 <b>105010</b> 20 | WTW 2.5-10 <b>105010</b> 20 | WTW 2.5-10 <b>105010</b> 20 |
| Blue Wemid                   |                               | WTW 2.5-10 <b>105018</b> 20 | WTW 2.5-10 <b>105018</b> 20 | WTW 2.5-10 <b>105018</b> 20 |
| Frame WDK 2.5                |                               |                             |                             |                             |

#### Cross-connection

| WQV                         | WQB 8/24 | Screen lug LS 2.8 | 2-pole  | WDU 2.5N Qty.               | WQV 2.5 Qty.              | WDU 2.5/1.5/ZR Qty.       | WQV 2.5 Qty.              | WDU 2.5 Qty.              | WQV 2.5 Qty.              |
|-----------------------------|----------|-------------------|---------|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|                             |          |                   | 3-pole  | WQV 2,5/2 <b>105366</b> 50  | <b>169380</b> 60          | <b>105366</b> 50          | <b>169380</b> 60          | <b>105366</b> 50          | <b>169380</b> 60          |
|                             |          |                   | 4-pole  | WQV 2,5/3 <b>105376</b> 50  | <b>169381</b> 60          | <b>105376</b> 50          | <b>169381</b> 60          | <b>105376</b> 50          | <b>169381</b> 60          |
|                             |          |                   | 10-pole | WQV 2,5/4 <b>105386</b> 50  | <b>169382</b> 60          | <b>105386</b> 50          | <b>169382</b> 60          | <b>105386</b> 50          | <b>169382</b> 60          |
| ZQV 2.5N                    |          |                   |         | WQV 2,5/10 <b>105446</b> 20 | <b>169388</b> 20          | <b>105446</b> 20          | <b>169388</b> 20          | <b>105446</b> 20          | <b>169388</b> 20          |
|                             |          |                   |         | WQB B/24 <b>157906</b> 20   | WQB B/24 <b>157906</b> 20 | WQB B/24 <b>157906</b> 20 | WQB B/24 <b>157906</b> 20 | WQB B/24 <b>157906</b> 20 | WQB B/24 <b>157906</b> 20 |
|                             |          |                   |         | LS 2.8 <b>105640</b> 50     | LS 2.8 <b>105640</b> 50   | LS 2.8 <b>105640</b> 50   | LS 2.8 <b>105640</b> 50   | LS 2.8 <b>105640</b> 50   | LS 2.8 <b>105640</b> 50   |
| Notching tool WAW 1 for WQV |          |                   |         | WAW 1 <b>900450</b> -       | WAW 1 <b>900450</b> -     | WAW 1 <b>900450</b> -     | WAW 1 <b>900450</b> -     | WAW 1 <b>900450</b> -     | WAW 1 <b>900450</b> -     |

#### Test adapter

|     |      |               |               |                           |                           |                           |                           |                           |                           |
|-----|------|---------------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| WTA | TA 1 | Strain relief | WDU 2.5N Qty. | WTA 1 <b>163229</b> 50    | WTA 2 <b>163232</b> 50    | WTA 2 <b>163232</b> 50    | WTA 2 <b>163232</b> 50    | WTA 2 <b>163232</b> 50    | WTA 2 <b>163232</b> 50    |
|     |      |               |               | WTA 1/ZA <b>163230</b> 50 | WTA 2/ZA <b>163233</b> 50 | WTA 2/ZA <b>163233</b> 50 | WTA 2/ZA <b>163233</b> 50 | WTA 2/ZA <b>163233</b> 50 | WTA 2/ZA <b>163233</b> 50 |
|     |      |               |               | WTA 1/10 <b>163231</b> 5  | WTA 2/10 <b>163234</b> 5  | WTA 2/10 <b>163234</b> 5  | WTA 2/10 <b>163234</b> 5  | WTA 2/10 <b>163234</b> 5  | WTA 2/10 <b>163234</b> 5  |
|     |      |               |               | ZE 1 <b>163215</b> 50     | ZE 1 <b>163215</b> 50     | ZE 1 <b>163215</b> 50     | ZE 1 <b>163215</b> 50     | ZE 1 <b>163215</b> 50     | ZE 1 <b>163215</b> 50     |

#### Test plug/socket

|        |         |               |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
|--------|---------|---------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| PS 2.3 | StB 8.5 | WDU 2.5N Qty. | PS 2.3 (ø 2,3) <b>018040</b> 20  | PS 2.3 (ø 2,3) <b>018040</b> 20  | PS 2.3 (ø 2,3) <b>018040</b> 20  | PS 2.3 (ø 2,3) <b>018040</b> 20  | PS 2.3 (ø 2,3) <b>018040</b> 20  | PS 2.3 (ø 2,3) <b>018040</b> 20  | PS 2.3 (ø 2,3) <b>018040</b> 20  |
|        |         |               | PS 2.0 (ø 2,0) <b>029380</b> 20  | PS 2.0 (ø 2,0) <b>029380</b> 20  | PS 2.0 (ø 2,0) <b>029380</b> 20  | PS 2.0 (ø 2,0) <b>029380</b> 20  | PS 2.0 (ø 2,0) <b>029380</b> 20  | PS 2.0 (ø 2,0) <b>029380</b> 20  | PS 2.0 (ø 2,0) <b>029380</b> 20  |
|        |         |               | StB 8.5 (ø 2,3) <b>021570</b> 50 | StB 8.5 (ø 2,3) <b>021570</b> 50 | StB 8.5 (ø 2,3) <b>021570</b> 50 | StB 8.5 (ø 2,3) <b>021570</b> 50 | StB 8.5 (ø 2,3) <b>021570</b> 50 | StB 8.5 (ø 2,3) <b>021570</b> 50 | StB 8.5 (ø 2,3) <b>021570</b> 50 |
|        |         |               | StB 8.5 (ø 2,0) <b>126980</b> 50 | StB 8.5 (ø 2,0) <b>126980</b> 50 | StB 8.5 (ø 2,0) <b>126980</b> 50 | StB 8.5 (ø 2,0) <b>126980</b> 50 | StB 8.5 (ø 2,0) <b>126980</b> 50 | StB 8.5 (ø 2,0) <b>126980</b> 50 | StB 8.5 (ø 2,0) <b>126980</b> 50 |

#### Abdeckungen

|                 |               |                              |  |  |                              |
|-----------------|---------------|------------------------------|--|--|------------------------------|
| WAD with symbol | WDU 2.5N Qty. | WAD 4 <b>107200</b> 50       |  |  | WAD 5 <b>105346</b> 50       |
| WAD white       |               | WAD 4 white <b>107210</b> 50 |  |  | WAD 5 white <b>105606</b> 50 |

#### Group marking

|                  |     |               |                          |                          |                          |                          |                          |                          |                          |
|------------------|-----|---------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| T 5              | WGB | WDU 2.5N Qty. | T 5 <b>034850</b> 100    | T 5 <b>034850</b> 100    | T 5 <b>034850</b> 100    | T 5 <b>034850</b> 100    | T 5 <b>034850</b> 100    | T 5 <b>034850</b> 100    | T 5 <b>034850</b> 100    |
| Tag carrier      |     |               | SF 10 <b>033240</b> 1000 | SF 10 <b>033240</b> 1000 | SF 10 <b>033240</b> 1000 | SF 10 <b>033240</b> 1000 | SF 10 <b>033240</b> 1000 | SF 10 <b>033240</b> 1000 | SF 10 <b>033240</b> 1000 |
| für S 10 markers |     |               | SG 10 <b>033250</b> 1000 | SG 10 <b>033250</b> 1000 | SG 10 <b>033250</b> 1000 | SG 10 <b>033250</b> 1000 | SG 10 <b>033250</b> 1000 | SG 10 <b>033250</b> 1000 | SG 10 <b>033250</b> 1000 |

#### Marking tags

| Print                      | WDU 2.5N Qty.           | WDU 1.5/ZZ Qty.         | WDU 2.5/1.5/ZR Qty.     | WDU 2.5 Qty.            |
|----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| DEK Consecutive horizontal | DEK 5 <b>047346</b> -   | DEK 5 <b>047346</b> -   | DEK 5 <b>047346</b> -   | DEK 5 <b>047346</b> -   |
| DEK Consecutive vertical   | DEK 5 <b>047356</b> -   | DEK 5 <b>047356</b> -   | DEK 5 <b>047356</b> -   | DEK 5 <b>047356</b> -   |
| WS Blank                   | WS 12/5 <b>160986</b> - | WS 12/5 <b>160986</b> - | WS 12/5 <b>160986</b> - | WS 12/5 <b>160986</b> - |
| WS DEK Printed             | WS 12/5 <b>144746</b> - | WS 12/5 <b>144746</b> - | WS 12/5 <b>144746</b> - | WS 12/5 <b>144746</b> - |

#### For further accessories see section 3, further marking material see section 8

\* With unprinted dekafix marking strips

<sup>1)</sup> Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310

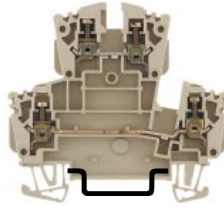
\*\* Twin connection

**WDK 2.5**  
**WDK 2.5/10/BEZ**

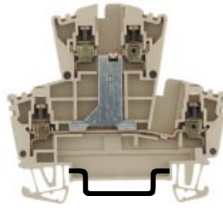
400 V



**WDK 2.5**  
800 V



**WDK 2.5 V**



**WDK 2.5 DU-PE**

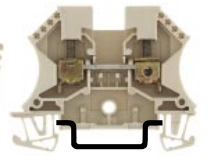


**WDK 2.5 E**  
**WDK 2.5 E GET.SCH.**

Terminal blocks for electrical components



**WDU 4**  
**WDU 4/10/BEZ**



Terminal blocks with electrical components see section 3

26 A/2,5 mm<sup>2</sup>

5/69/63  
10 mm/M 2,5/3,5 x 0,6

400 V/24 A/2,5 mm<sup>2</sup>  
6 kV/3

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5<sup>1)</sup>

0,13...4 A 3  
32/-  
32/-

300 V/20 A/22...12 AWG  
300 V/10 A/26...12 AWG

|  | Cat. No.      | Qty. |
|--|---------------|------|
|  | <b>102150</b> | 100  |
|  | <b>102158</b> | 100  |
|  | <b>102156</b> | 100  |
|  | <b>102560</b> | 10   |
|  | <b>102570</b> | 10   |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| WAP  | <b>105910</b> | 20   |
| WAP  | <b>105918</b> | 20   |
| WTW  | <b>105880</b> | 20   |

|            |               |    |
|------------|---------------|----|
| WQV 2.5/2  | <b>105366</b> | 50 |
| WQV 2.5/3  | <b>105376</b> | 50 |
| WQV 2.5/4  | <b>105386</b> | 50 |
| WQV 2.5/10 | <b>105446</b> | 20 |
| WQB A/24   | <b>157900</b> | 20 |
| LS 2.8     | <b>105640</b> | 50 |
| WAW 1      | <b>900450</b> | -  |

TA 1 **053586** 20

AD 3 **048540** -  
HP 3 **048576** 20  
WAD 4 **107200** 50

WT 4 **134106** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

DEK 5 **047346** -  
DEK 5 **047356** -  
WS 8/5 **164074** -  
WS 8/5 **158008** -

26 A/2,5 mm<sup>2</sup>

6/69/63  
10 mm/M 2,5/3,5 x 0,6

800 V/24 A/2,5 mm<sup>2</sup>  
8 kV/3

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5

0,13...4 A 3  
32/-  
32/-

300 V/20 A/22...12 AWG  
300 V/10 A/26...12 AWG

|  | Cat. No.      | Qty. |
|--|---------------|------|
|  | <b>102910</b> | 100  |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| WAP  | <b>105910</b> | 20   |
| WAP  | <b>105918</b> | 20   |
| WTW  | <b>105880</b> | 20   |

|        |               |    |
|--------|---------------|----|
| Q 2    | <b>036900</b> | 50 |
| Q 3    | <b>036910</b> | 50 |
| Q 4    | <b>036920</b> | 50 |
| Q 10   | <b>036930</b> | 20 |
| LS 2.8 | <b>105640</b> | 50 |

TA 1 **053586** 20

AD 3 **048540** -  
HP 3 **048576** 20  
WAD 4 **107200** 50

WT 4 **134106** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

DEK 5 **047346** -  
DEK 5 **047356** -  
WS 8/5 **164074** -  
WS 8/5 **158008** -

24 A/2,5 mm<sup>2</sup>

5/69/63  
10 mm/M 2,5/3,5 x 0,6

400 V/24 A/2,5 mm<sup>2</sup>  
6 kV/3

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5<sup>1)</sup>

0,13...4 A 3  
32/-  
32/-

300 V/20 A/22...12 AWG  
300 V/10 A/26...12 AWG

|  | Cat. No.      | Qty. |
|--|---------------|------|
|  | <b>102230</b> | 100  |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| WAP  | <b>105910</b> | 20   |
| WTW  | <b>105880</b> | 20   |

|            |               |    |
|------------|---------------|----|
| WQV 2.5/2  | <b>105366</b> | 50 |
| WQV 2.5/3  | <b>105376</b> | 50 |
| WQV 2.5/4  | <b>105386</b> | 50 |
| WQV 2.5/10 | <b>105446</b> | 20 |
| WQB A/24   | <b>157900</b> | 20 |
| LS 2.8     | <b>105640</b> | 50 |
| WAW 1      | <b>900450</b> | -  |

TA 1 **053586** 20

AD 3 **048540** -  
HP 3 **048576** 20  
WAD 4 **107200** 50

WT 4 **134106** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

DEK 5 **047346** -  
DEK 5 **047356** -  
WS 8/5 **164074** -  
WS 8/5 **158008** -

24 A/2,5 mm<sup>2</sup>/-/-

5/69/63  
10 mm/M 2,5/3,5 x 0,6

400 V/-/24 A/-/2,5 mm<sup>2</sup>  
6 kV/3

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5<sup>1)</sup>

0,13...4 A 3  
32/-  
32/-

300 V/20 A/22...12 AWG  
300 V/10 A/26...12 AWG

|  | Cat. No.      | Qty. |
|--|---------------|------|
|  | <b>103640</b> | 100  |

(Beige Wemid with divided current bar below)

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| WAP  | <b>105910</b> | 20   |
| WTW  | <b>105880</b> | 20   |

|            |               |    |
|------------|---------------|----|
| WQV 2.5/2  | <b>105366</b> | 50 |
| WQV 2.5/3  | <b>105376</b> | 50 |
| WQV 2.5/4  | <b>105386</b> | 50 |
| WQV 2.5/10 | <b>105446</b> | 20 |
| WQB A/24   | <b>157900</b> | 20 |
| WAW 1      | <b>900450</b> | -  |

TA 1 **053586** 20

AD 3 **048540** -  
HP 3 **048576** 20  
WAD 4 **107200** 50

WT 4 **134106** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

DEK 5 **047346** -  
DEK 5 **047356** -  
WS 8/5 **164074** -  
WS 8/5 **158008** -

-/2,5 mm<sup>2</sup>

5/69/63  
10 mm/M 2,5/3,5 x 0,6

-/-/2,5 mm<sup>2</sup>  
-/-

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5<sup>1)</sup>

0,13...4 A 3  
-  
-

300 V/20 A/22...12 AWG  
-

|  | Cat. No.      | Qty. |
|--|---------------|------|
|  | <b>102320</b> | 100  |
|  | <b>102310</b> | 100  |

(Beige Wemid with divided current bar below)

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| WAP  | <b>105910</b> | 20   |
| WAP  | <b>105918</b> | 20   |
| WTW  | <b>105880</b> | 20   |

Frame (5 mm) **107400** 20

|            |               |    |
|------------|---------------|----|
| WQV 2.5/2  | <b>105366</b> | 50 |
| WQV 2.5/3  | <b>105376</b> | 50 |
| WQV 2.5/4  | <b>105386</b> | 50 |
| WQV 2.5/10 | <b>105446</b> | 20 |
| WQB A/24   | <b>157900</b> | 20 |
| LS 2.8     | <b>105640</b> | 50 |
| WAW 1      | <b>900450</b> | -  |

TA 1 **053586** 20

AD 3 **048540** -  
HP 3 **048576** 20  
WAD 4 **107200** 50

WT 4 **134106** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

DEK 5 **047346** -  
DEK 5 **047356** -  
WS 8/5 **164074** -  
WS 8/5 **158008** -

46 A/6 mm<sup>2</sup>

6/60/47  
10 mm/M 3/3,5 x 0,6

800 V/32 A/4 mm<sup>2</sup>  
8 kV/3

0,5...1,0  
2

0,5...6  
1,5...6  
0,5...6  
0,5...4  
0,5...4

0,13...6 A 4  
46  
46

600 V/35 A/22...10 AWG  
600 V/35 A/26...10 AWG

|  | Cat. No.      | Qty. |
|--|---------------|------|
|  | <b>102010</b> | 100  |
|  | <b>102018</b> | 100  |
|  | <b>102090</b> | 10   |
|  | <b>102100</b> | 10   |

| Type       | Cat. No.      | Qty. |
|------------|---------------|------|
| WAP 2.5-10 | <b>105000</b> | 50   |
| WAP 2.5-10 | <b>105008</b> | 50   |
| WTW 2.5-10 | <b>105010</b> | 20   |
| WTW 2.5-10 | <b>105018</b> | 20   |

|          |               |    |
|----------|---------------|----|
| WQV 4/2  | <b>105196</b> | 50 |
| WQV 4/3  | <b>105456</b> | 50 |
| WQV 4/4  | <b>105466</b> | 50 |
| WQV 4/10 | <b>105206</b> | 20 |
| LS 2.8   | <b>105640</b> | 50 |
| WAW 1    | <b>900450</b> | -  |

WTA 3 **163235** 50  
WTA 3/ZA **163236** 50  
WTA 3/10 **163237** 5  
ZE 1 **163215** 50

PS 2.3 (ø 2,3) **018040** 20

StB 8.5 (ø 2,3) **028060** 50

WAD 5 **105346** 50  
WAD 5 white **105606** 50

WGB 5 **105076** 50  
T 5 **034850** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

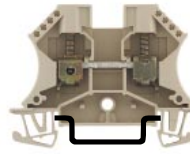
DEK 6 **046866** -  
DEK 6 **047356** -  
WS 12/6 **160990** -  
WS 12/6 **144766** -

## Feed-through terminal blocks

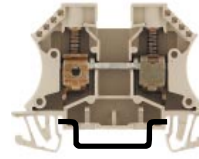
### WMA 4/5 WMA 4/4



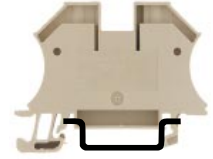
### WDU 6 WDU 6/10/BEZ



### WDU 10



### WDU 16N



| Max. Technical Data  |                  | 46 A/6 mm <sup>2</sup>                           | 63 A/10 mm <sup>2</sup>          | 85 A/16 mm <sup>2</sup>          | 82 A/25 mm <sup>2</sup>          |
|--|------------------|--|----------------------------------|----------------------------------|----------------------------------|
| <b>Dimension</b>   |                  |  |                                  |                                  |                                  |
| Width/length/height (mm)   | With TS 35 x 7.5 | 60/60/47   | 8/60/47                          | 10/60/47                         | 12/60/47                         |
| Insulation stripping length/clamping screw/screwdriver blade                         |                  |  |                                  |                                  |                                  |
| <b>VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1</b>                               |                  | 10 mm/M 3/3,5 x 0,6                              | 12 mm/M 3,5/4,0 x 0,8            | 12 mm/M 4/5,5 x 1,0              | 12 mm/M 4/5,5 x 1,0              |
| Rated voltage/rated current/rated cross-section                                      |                  |  |                                  |                                  |                                  |
| Rated impulse voltage/pollution severity   |                  | 800 V/32 A/4 mm <sup>2</sup>                     | 800 V/41 A/6 mm <sup>2</sup>     | 1000 V/57 A/10 mm <sup>2</sup>   | 400 V/76 A/16 mm <sup>2</sup>    |
| <b>Further technical data</b>  |                  |  |                                  |                                  |                                  |
| Tightening torque range  |                  | Nm 0,5...1,0                                     | 0,8...1,6                        | 1,2...2,4                        | 1,2...2,4                        |
| Torque setting with DMS2 electric screwdriver  |                  | 2  | 3                                | 4                                | 4                                |
| <b>Clampable conductor</b>   |                  |  |                                  |                                  |                                  |
| solid H07V-U   |                  | mm <sup>2</sup> 0,5...6                          | 0,5...10                         | 1,5...16                         | 1,5...16                         |
| stranded H07V-R  |                  | mm <sup>2</sup> 1,5...6                          | 1,5...10                         | 1,5...16                         | 1,5...25                         |
| flexible H07V-K  |                  | mm <sup>2</sup> 0,5...6                          | 0,5...10                         | 1,5...16                         | 1,5...16                         |
| flexible H07V-K and AEH DIN 46 228/1   |                  | mm <sup>2</sup> 0,5...4                          | 0,5...6                          | 1,5...16                         | 1,5...16                         |
| flexible H07V-K and AEH with plastic insul. collar                                   |                  | mm <sup>2</sup> 0,5...4                          | 0,5...6                          | 1,5...16                         | 1,5...16                         |
| Max. Clamping Range in mm <sup>2</sup>   |                  | Gauge pin to 947-1 Size 0,13...6 A 4             | 0,5...10 A 5                     | 1,31...16 B 6                    | 1,5...25 B 7                     |
| Continuous current rating of cross-connection  |                  | WQV/ZQV 2-pole A 46                              | 63                               | 85                               | 76                               |
|  |                  | WQV/ZQV 3-10-pole A 46                           | 63                               | 63                               | 57 (3 + 4-pole)                  |
| <b>UL / CSA rated data</b>   |                  |  |                                  |                                  |                                  |
| Voltage / current / conductor size   |                  | UL 600 V/35 A/22...10 AWG                        | 600 V/45 A/20...8 AWG            | 600 V/60 A/16...6 AWG            | -                                |
| Voltage / current / conductor size   |                  | CSA 600 V/35 A/26...10 AWG                       | 600 V/45 A/20...8 AWG            | 600 V/65 A/16...6 AWG            | -                                |
| <b>Ordering data</b>   |                  |  |                                  |                                  |                                  |
|  |                  | Version  |                                  |                                  |                                  |
|  |                  | Wemid  |                                  |                                  |                                  |
|  |                  | Blue Wemid                                       |                                  |                                  |                                  |
|  |                  | Terminal block printed 1-9 Wemid                 |                                  |                                  |                                  |
|  |                  | Terminal block unprinted* Wemid                  |                                  |                                  |                                  |
|  |                  | Motor connection block (L1, L2, L3, PE) Wemid    |                                  |                                  |                                  |
|  |                  | Motor connection block (L1, L2, L3, N, PE) Wemid |                                  |                                  |                                  |
|  |                  |  | <b>103400</b> 20                 |                                  |                                  |
|  |                  |  | <b>103380</b> 20                 |                                  |                                  |
| <b>End plate/partition</b>   |                  |  |                                  |                                  |                                  |
|  |                  | Type   | Cat. No. Qty.                    | Type                             | Cat. No. Qty.                    |
|  |                  | WAP (thickness 1.5 mm) Wemid                     | WAP 2.5-10 <b>105000</b> 50      | WAP 2.5-10 <b>105000</b> 50      | WAP 2.5-10 <b>105000</b> 50      |
|  |                  | Blue Wemid                                       | WAP 2.5-10 <b>105008</b> 50      | WAP 2.5-10 <b>105008</b> 50      | WAP 2.5-10 <b>105008</b> 50      |
|  |                  | WTW  | WTW 2.5-10 <b>105010</b> 20      | WTW 2.5-10 <b>105010</b> 20      | WTW 2.5-10 <b>105010</b> 20      |
|  |                  | Blue Wemid                                       | WTW 2.5-10 <b>105018</b> 20      | WTW 2.5-10 <b>105018</b> 20      | WTW EX <b>105880</b> 20          |
| <b>Cross-connection</b>  |                  |  |                                  |                                  |                                  |
|  |                  | WQV WQB 8/24                                     | WQV 4/2 <b>105196</b> 50         | WQV 6/2 <b>105236</b> 50         | WQV 10/2 <b>105256</b> 50        |
|  |                  |  | WQV 4/3 <b>105456</b> 50         | WQV 6/3 <b>105476</b> 50         | WQV 10/3 <b>105496</b> 50        |
|  |                  |  | WQV 4/4 <b>105466</b> 50         | WQV 6/4 <b>105486</b> 50         | WQV 10/4 <b>105506</b> 50        |
|  |                  |  | WQV 4/10 <b>105206</b> 20        | WQV 6/10 <b>105226</b> 20        | WQV 10/10 <b>105246</b> 20       |
|  |                  | Screen lug LS 2.8                                | LS 2.8 <b>105640</b> 50          | LS 2.8 <b>105640</b> 50          | LS 2.8 <b>105640</b> 50          |
|  |                  | Notching tool WAW 1 for WQV                      | WAW 1 <b>900450</b> -            | WAW 1 <b>900450</b> -            | WAW 1 <b>900450</b> -            |
| <b>Test adapter</b>  |                  |  |                                  |                                  |                                  |
|  |                  | WTA  | WTA 3 <b>163235</b> 50           |                                  |                                  |
|  |                  | WTA 3  | WTA 3/ZA <b>163236</b> 50        | WTA 5/1 <b>105126</b> 25         | WTA 5/1 <b>105126</b> 25         |
|  |                  |  | WTA 3/10 <b>163237</b> 5         |                                  |                                  |
|  |                  | Strain relief                                    | ZE 1 <b>163215</b> 50            |                                  |                                  |
| <b>Test plug/socket</b>  |                  |  |                                  |                                  |                                  |
|  |                  | PS 2.3   | PS 2.3 (ø 2,3) <b>018040</b> 20  | PS 2.3 (ø 2,3) <b>018040</b> 20  | PS 2.3 (ø 2,3) <b>018040</b> 20  |
|  |                  | StB 8.5  | StB 8.5 (ø 2,3) <b>028060</b> 50 | PS 4 (ø 4) <b>029960</b> 20      | PS 4 (ø 4) <b>029960</b> 20      |
|  |                  |  |                                  | StB 8.5 (ø 2,3) <b>028060</b> 50 | StB 8.5 (ø 2,3) <b>028060</b> 50 |
|  |                  |  |                                  | StB 14 (ø 4) <b>016990</b> 50    | StB 14 (ø 4) <b>016990</b> 50    |
| <b>Abdeckungen</b>   |                  |  |                                  |                                  |                                  |
|  |                  | WAD with symbol                                  | WAD 5 <b>105346</b> 50           | WAD 8 <b>105356</b> 50           | WAD 8 <b>105356</b> 50           |
|  |                  | WAD white  | WAD 5 white <b>105606</b> 50     | WAD 8 white <b>105616</b> 50     | WAD 8 white <b>105616</b> 50     |
|  |                  | for self-labeling                                |                                  |                                  | WAD 12 N <b>107320</b> 50        |
|  |                  |  |                                  |                                  | WAD 12 N white <b>107329</b> 50  |
| <b>Group marking</b>   |                  |  |                                  |                                  |                                  |
|  |                  | T 5  | WGB 5 <b>105076</b> 50           | WGB 8 <b>105096</b> 50           | WGB 8 <b>105096</b> 50           |
|  |                  | Tag carrier                                      | T 5 <b>034850</b> 100            | T 5 <b>034850</b> 100            | T 5 <b>034850</b> 100            |
|  |                  | für S 10 markers                                 | SF 10 <b>033240</b> 1000         | SF 10 <b>033240</b> 1000         | SF 10 <b>033240</b> 1000         |
|  |                  |  | SG 10 <b>033250</b> 1000         | SG 10 <b>033250</b> 1000         | SG 10 <b>033250</b> 1000         |
| <b>Marking tags</b>  |                  |  |                                  |                                  |                                  |
|  |                  | Print  | FW 6 <b>046866</b> -             | FW 8 <b>127696</b> -             | FW 5 <b>047346</b> -             |
|  |                  | DEK  | FS 6 <b>047356</b> -             | FS 8 <b>128966</b> -             | FS 5 <b>047356</b> -             |
|  |                  | Consecutive horizontal                           | WS 12/6 <b>160990</b> -          | WS 12/6,5 <b>160992</b> -        | WS 12/6,5 <b>160992</b> -        |
|  |                  | Consecutive vertical                             | WS 12/6 <b>144766</b> -          | WS 12/6,5 <b>156895</b> -        | WS 12/6,5 <b>156895</b> -        |
|  |                  | Blank  |                                  |                                  |                                  |
|  |                  | Printed  |                                  |                                  |                                  |
| <b>For further accessories see section 3, further marking material see section 8</b> |                  |  |                                  |                                  |                                  |

\* With unprinted dekafix marking strips





Large size conductors no longer have to be inserted into the clamping point with force; they can simply be placed in the terminal block.

For each terminal type, terminal block variants consisting of three, four and five-pole terminal blocks are available in addition to the individual terminals. All blocks are permanently screwed together for additional torsional rigidity.

Slots provided in the underside of the terminals enable direct fitting. Terminal blocks can be screwed directly to mounting plates with 25 mm pitch.

Further advantages are:

- Constant force transmission by self-adjusting connection system
- Random wiring direction
- Safe from finger-touch (VBG 4), even with cross-connection fitted
- Extreme distortion resistance



Open terminal cover, remove screw terminal unit



Place conductor in terminal, replace screw terminal unit



Close terminal cover, tighten screw with hex key

Max. Technical Data

| Dimensions   |                  |
|--|------------------|
| Width/length/height (mm)                                     | With TS 35 x 7.5 |
| Insulation stripping length/clamping screw/screwdriver blade |                  |

VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1

|   |                                 |
|---|---------------------------------|
| Rated voltage/rated current/rated cross-section | 1000 V/232 A/95 mm <sup>2</sup> |
| Rated impulse voltage/pollution severity        | 8 kV/3                          |

Further technical data

|   |    |        |
|---|----|--------|
| Tightening torque range                       | Nm | 6...12 |
| Torque setting with DMS2 electric screwdriver |    |        |

Clampable conductor

|  |                 |   |
|--|-----------------|---|
| solid H07V-U                                       | mm <sup>2</sup> | 16  |
| stranded H07V-R                                    | mm <sup>2</sup> | 16...120**                                    |
| flexible H07V-K                                    | mm <sup>2</sup> | 16...95**                                     |
| flexible H07V-K and AEH DIN 46 228/1               | mm <sup>2</sup> | 35...95**                                     |
| flexible H07V-K and AEH with plastic insul. collar | mm <sup>2</sup> | 35...50                                       |
| Strips   | mm              | 3 x 9 x 0,8                      6 x 9 x 0,8  |
| Strips   | mm              | 4 x 16 x 0,8                     6 x 16 x 0,8 |

|   |                    |      |          |      |
|---|--------------------|------|----------|------|
| Max. Clamping Range in mm <sup>2</sup>        | Gauge pin to 947-1 | Size | 16...120 | B 12 |
| Continuous current rating of cross-connection | 2-pole             | A    | 232      |      |
| Continuous current rating of cross-connection | multipole          | A    | (3) 232  |      |

UL / CSA rated data

|                                    |     |                         |
|------------------------------------|-----|-------------------------|
| Voltage / current / conductor size | UL  | 600 V/175 A/6...2/0 AWG |
| Voltage / current / conductor size | CSA | 600 V/205 A/6...2/0 AWG |

Ordering data

| Ordering data  | Version                      | Cat. No. | Qty. |
|--|------------------------------|----------|------|
| Hexagon socket 6 mm                                    | Wemid                        | 102460   | 10   |
| Hexagon socket 6 mm                                    | Blue Wemid                   | 102468   | 10   |
| Hexagon socket 6 mm                                    | Green Wemid                  | 102465   | 10   |
| Hexagon socket 6 mm                                    | Terminal block* 3-pole Wemid |          |      |
| Hexagon socket 6 mm                                    | Terminal block* 4-pole Wemid |          |      |
| Hexagon socket 6 mm                                    | Terminal block* 5-pole Wemid |          |      |
| Mains terminal block 3x beige, 1x blue, 1x green Wemid |                              |          |      |

Cross-connection

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| WQV 70/2 | 106350   | 5    |
| WQV 70/3 | 106360   | 5    |

Auxiliary / control conductor terminal pressure clamp\*\*\*

|     |     |           |        |    |
|-----|-----|-----------|--------|----|
| WFL | WFL | WZAD 70   | 106600 | 10 |
|     |     | WFL 70/95 | 161633 | 10 |

Cover

|  |        |                     |        |    |
|--|--------|---------------------|--------|----|
|  | Yellow | WAD 27              |        |    |
|  |        | with warning tag    | 106286 | 10 |
|  | White  | WAD 27              |        |    |
|  |        | without warning tag | 106296 | 10 |

Test plug

|   |      |        |    |
|---|------|--------|----|
|   | PS 4 | 029960 | 20 |
| fits into screw head of the connection system |      |        |    |

Fixing screw

|  |                     |        |        |    |
|--|---------------------|--------|--------|----|
|  | For direct assembly | M 6x16 | 106370 | 20 |
|--|---------------------|--------|--------|----|

Hexagon key

|                  |          |        |   |
|------------------|----------|--------|---|
|                  | Hex. key | 040790 | - |
| 6 mm to DIN 6911 |          |        |   |

Screwdriver for direct assembly 1 x 5.5 x 125

|  |    |        |   |
|--|----|--------|---|
|  | SD | 902450 | - |
|--|----|--------|---|

Marking tags

| Marking tags | Print                  | Cat. No.  | Qty.   |
|--------------|------------------------|-----------|--------|
| DEK          | Consecutive horizontal | DEK 5     | 047346 |
| DEK          | Consecutive vertical   | DEK 5     | 047356 |
| WS           | Blank                  | WS 12/6,5 | 160992 |
| WS DEK       | Printed                | WS 12/6,5 | 156895 |

For further accessories see section 3, further marking material see section 8

\* Terminal block for direct assembly only  
 \*\* Using 95 and 120 mm<sup>2</sup> with 10 Nm tightening torque

250 A/95 mm<sup>2</sup>

|               |
|---------------|
| 27/132/108    |
| 30 mm/M 8/S 6 |

1000 V/232 A/95 mm<sup>2</sup>

|        |
|--------|
| 8 kV/3 |
|--------|

6...12

|   |
|---|
| - |
|---|

mm<sup>2</sup>

|   |
|---|
| 16  |
| 16...120**                                    |
| 16...95**                                     |
| 35...95**                                     |
| 35...50                                       |
| 3 x 9 x 0,8                      6 x 9 x 0,8  |
| 4 x 16 x 0,8                     6 x 16 x 0,8 |

|          |      |
|----------|------|
| 16...120 | B 12 |
| 232      |      |
| (3) 232  |      |

600 V/175 A/6...2/0 AWG

|                         |
|-------------------------|
| 600 V/205 A/6...2/0 AWG |
|-------------------------|

Cat. No.

|        |      |
|--------|------|
|        | Qty. |
| 102460 | 10   |
| 102468 | 10   |
| 102465 | 10   |

Cat. No.

|        |      |
|--------|------|
|        | Qty. |
| 106350 | 5    |
| 106360 | 5    |

106600

|        |    |
|--------|----|
| 106600 | 10 |
| 161633 | 10 |

WAD 27

|                     |        |
|---------------------|--------|
| WAD 27              |        |
| with warning tag    | 106286 |
| WAD 27              |        |
| without warning tag | 106296 |

029960

|        |    |
|--------|----|
| 029960 | 20 |
|--------|----|

M 6x16

|        |        |    |
|--------|--------|----|
| M 6x16 | 106370 | 20 |
|--------|--------|----|

040790

|        |   |
|--------|---|
| 040790 | - |
|--------|---|

902450

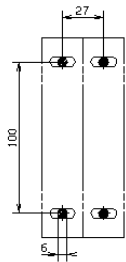
|        |   |
|--------|---|
| 902450 | - |
|--------|---|

DEK 5

|           |        |   |
|-----------|--------|---|
| DEK 5     | 047346 | - |
| DEK 5     | 047356 | - |
| WS 12/6,5 | 160992 | - |
| WS 12/6,5 | 156895 | - |

The WFL pressure clamp is needed when the flat strip cannot be inserted centrally.

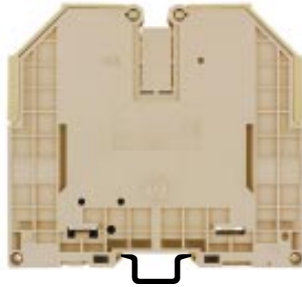
**WDU 70/95/...**



Drilling plan for direct mounting  
250 A/95 mm<sup>2</sup>

|  |                |      |
|--|----------------|------|
| 81/132/108 (triple block)*                 |                |      |
| 30 mm/M 8/S 6                              |                |      |
| 1000 V/232 A/95 mm <sup>2</sup>            |                |      |
| 8 kV/3                                     |                |      |
| 6...12                                     |                |      |
| -  |                |      |
| 16   |                |      |
| 16...120**                                 |                |      |
| 16...95**                                  |                |      |
| 35...95**                                  |                |      |
| 35...50                                    |                |      |
| 3 x 9 x 0,8                                | 6 x 9 x 0,8    |      |
| 4 x 16 x 0,8                               | 6 x 16 x 0,8   |      |
| 16...120                                   |                | B 12 |
| 232  |                |      |
| (3) 232                                    |                |      |
| 600 V/175 A/6...2/0 AWG                    |                |      |
| 600 V/205 A/6...2/0 AWG                    |                |      |
|  | Best-Nr.       | Qty. |
|  |                |      |
|  |                |      |
|  |                |      |
|  | <b>102670*</b> | 4    |
|  | <b>102680*</b> | 3    |
|  | <b>102690*</b> | 2    |
|  | <b>103230*</b> | 2    |
| Type                                       | Cat. No.       | Qty. |
| WQV 70/2                                   | <b>106350</b>  | 5    |
| WQV 70/3                                   | <b>106360</b>  | 5    |
| WZAD 70                                    |                |      |
|  | <b>106600</b>  | 10   |
| WFL 70/95                                  |                |      |
|  | <b>161633</b>  | 10   |
| WAD 27                                     |                |      |
| with warning tag                           | <b>106286</b>  | 10   |
| WAD 27                                     |                |      |
| without warning tag                        | <b>106296</b>  | 10   |
| PS 4                                       |                |      |
|  | <b>029960</b>  | 20   |
| Insertable in screw head connection system |                |      |
| M 6x16                                     |                |      |
|  | <b>106370</b>  | 20   |
| Hexagon key                                |                |      |
| 6 mm to DIN 6911                           | <b>040790</b>  | -    |
| SD   |                |      |
|  | <b>902450</b>  | -    |
| DEK 5                                      |                |      |
|  | <b>047346</b>  | -    |
| DEK 5                                      |                |      |
|  | <b>047356</b>  | -    |
| WS 12/6,5                                  |                |      |
|  | <b>160992</b>  | -    |
| WS 12/6,5                                  |                |      |
|  | <b>156895</b>  | -    |

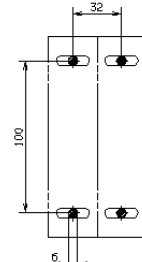
**WDU 120/150**



335 A/150 mm<sup>2</sup>

|  |               |      |
|--|---------------|------|
| 32/132/118                                 |               |      |
| 35 mm/M 10/S 6                             |               |      |
| 1000 V/269 A/120 mm <sup>2</sup>           |               |      |
| 8 kV/3                                     |               |      |
| 10...20                                    |               |      |
| -  |               |      |
| -  |               |      |
| 35...150                                   |               |      |
| 35...150                                   |               |      |
| -  |               |      |
| -  |               |      |
| 3 x 9 x 0,8                                | 6 x 9 x 0,8   |      |
| 4 x 16 x 0,8                               | 6 x 16 x 0,8  |      |
| 35...150                                   |               | B 13 |
| 292  |               |      |
| (3) 292                                    |               |      |
| 600 V/225 A/2...MCM 250 AWG                |               |      |
| 600 V/285 A/2...MCM 250 AWG                |               |      |
|  | Cat. No.      | Qty. |
|  | <b>102450</b> | 10   |
|  | <b>102458</b> | 10   |
|  | <b>102455</b> | 10   |
| Type                                       | Cat. No.      | Qty. |
| WQV 120/2                                  | <b>106330</b> | 5    |
| WQV 120/3                                  | <b>106340</b> | 5    |
| WZAD 120                                   |               |      |
|  | <b>106610</b> | 10   |
| WFL 120/150                                |               |      |
|  | <b>161634</b> | 10   |
| WAD 27                                     |               |      |
| with warning tag                           | <b>106286</b> | 10   |
| WAD 27                                     |               |      |
| without warning tag                        | <b>106296</b> | 10   |
| PS 4                                       |               |      |
|  | <b>029960</b> | 20   |
| Insertable in screw head connection system |               |      |
| M 6x16                                     |               |      |
|  | <b>106370</b> | 20   |
| Hexagon key                                |               |      |
| 6 mm to DIN 6911                           | <b>040790</b> | -    |
| SD   |               |      |
|  | <b>902450</b> | -    |
| DEK 5                                      |               |      |
|  | <b>047346</b> | -    |
| DEK 5                                      |               |      |
|  | <b>047356</b> | -    |
| WS 12/6,5                                  |               |      |
|  | <b>160992</b> | -    |
| WS 12/6,5                                  |               |      |
|  | <b>156895</b> | -    |

**WDU 120/150/...**



Drilling plan for direct mounting  
335 A/150 mm<sup>2</sup>

|  |                |      |
|--|----------------|------|
| 96/132/118 (triple block)*                 |                |      |
| 35 mm/M 10/S 6                             |                |      |
| 1000 V/269 A/120 mm <sup>2</sup>           |                |      |
| 8 kV/3                                     |                |      |
| 10...20                                    |                |      |
| -  |                |      |
| -  |                |      |
| 35...150                                   |                |      |
| 35...150                                   |                |      |
| -  |                |      |
| -  |                |      |
| 3 x 9 x 0,8                                | 6 x 9 x 0,8    |      |
| 4 x 16 x 0,8                               | 6 x 16 x 0,8   |      |
| 35...150                                   |                | B 13 |
| 292  |                |      |
| (3) 292                                    |                |      |
| 600 V/225 A/2...MCM 250 AWG                |                |      |
| 600 V/285 A/2...MCM 250 AWG                |                |      |
|  | Cat. No.       | Qty. |
|  | <b>102640*</b> | 3    |
|  | <b>102650*</b> | 2    |
|  | <b>102660*</b> | 2    |
|  | <b>103240*</b> | 2    |
| Type                                       | Cat. No.       | Qty. |
| WQV 120/2                                  | <b>106330</b>  | 5    |
| WQV 120/3                                  | <b>106340</b>  | 5    |
| WZAD 120                                   |                |      |
|  | <b>106610</b>  | 10   |
| WFL 120/150                                |                |      |
|  | <b>161634</b>  | 10   |
| WAD 27                                     |                |      |
| with warning tag                           | <b>106286</b>  | 10   |
| WAD 27                                     |                |      |
| without warning tag                        | <b>106296</b>  | 10   |
| PS 4                                       |                |      |
|  | <b>029960</b>  | 20   |
| Insertable in screw head connection system |                |      |
| M 6x16                                     |                |      |
|  | <b>106370</b>  | 20   |
| Hexagon key                                |                |      |
| 6 mm to DIN 6911                           | <b>040790</b>  | -    |
| SD   |                |      |
|  | <b>902450</b>  | -    |
| DEK 5                                      |                |      |
|  | <b>047346</b>  | -    |
| DEK 5                                      |                |      |
|  | <b>047356</b>  | -    |
| WS 12/6,5                                  |                |      |
|  | <b>160992</b>  | -    |
| WS 12/6,5                                  |                |      |
|  | <b>156895</b>  | -    |

## Tab connection terminals



## WFF 35



## WFF 70



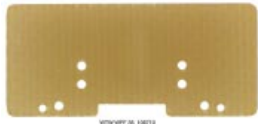
### Max. Technical Data

| Dimensions   |                 |
|--|-----------------|
| Width/length/height (mm)                             | without WAH     |
| Width/length/height (mm)                             | with WAH        |
| Bolt size  | M               |
| VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1      |                 |
| Rated voltage/rated current/rated cross-section      |                 |
| Rated impulse voltage/pollution severity             |                 |
| Further technical data                               |                 |
| Tightening torque range                              | Nm              |
| Clampable conductor                                  |                 |
| Cable lug DIN 46235                                  | mm <sup>2</sup> |
| Cable lug DIN 46234                                  | mm <sup>2</sup> |
| 2 x cable lug DIN 46235                              | mm <sup>2</sup> |
| 2 x cable lug DIN 46234                              | mm <sup>2</sup> |
| Strips   | mm              |
| Strips   | mm              |
| Strips   | mm              |
| Max. Connection Area in mm <sup>2</sup>              |                 |
| Gauge for flat connections to EN 50043 Size          |                 |
| Continuous current rating of cross-connection 2-pole | A               |
| Continuous current rating of cross-connection 3-pole | A               |
| UL / CSA rated data                                  |                 |
| Voltage/current/conductor size                       | UL              |
| Voltage/current/conductor size                       | CSA             |
| Ordering data  |                 |
|  | Version         |
|  | Wemid           |
|  | Blue Wemid      |
| With covers  | Wemid           |
|  | Wemid           |

| 168 A/50 mm <sup>2</sup>        |          |
|---------------------------------|----------|
| 27/107/54                       |          |
| 27/136/60                       |          |
| 6                               |          |
| 1000 V/125 A/35 mm <sup>2</sup> |          |
| 8 kV/3                          |          |
| 3.0...6.0                       |          |
| 6...25                          |          |
| 2,5...50                        |          |
| 6...25                          |          |
| 2,5...35                        |          |
| 3 x 13 x 0,5                    |          |
| 6 x 13 x 0,5                    |          |
| 2 x 15,5 x 0,8                  |          |
| 2,08...50                       |          |
| C 4                             |          |
| 135                             |          |
| 135                             |          |
| UL / CSA rated data             |          |
| 600 V/115 A/14...2 AWG          |          |
| 600 V/130 A/14...2 AWG          |          |
| Ordering data                   |          |
|                                 | Cat. No. |
|                                 | Qty.     |
|                                 | 10       |
|                                 | 10       |
|                                 | 10       |

| 250 A/95 mm <sup>2</sup>        |          |
|---------------------------------|----------|
| 32/132/63                       |          |
| 32/179/71,5                     |          |
| 8                               |          |
| 1000 V/192 A/70 mm <sup>2</sup> |          |
| 8 kV/3                          |          |
| 6.0...12                        |          |
| 16...70                         |          |
| 2,5...120                       |          |
| 16...70                         |          |
| 2,5...70                        |          |
| 2 x 15,5 x 0,8                  |          |
| 4 x 20 x 1                      |          |
| 4 x 15,5 x 0,8                  |          |
| 6 x 15,5 x 0,8                  |          |
| 2,08...120                      |          |
| C 6                             |          |
| 207                             |          |
| 207                             |          |
| UL / CSA rated data             |          |
| 600 V/175 A/14...2/0 AWG        |          |
| 600 V/170 A/14...2/0 AWG        |          |
| Ordering data                   |          |
|                                 | Cat. No. |
|                                 | Qty.     |
|                                 | 10       |
|                                 | 10       |
|                                 | 10       |

### Partition (thickness 2 mm)



| Type       | Cat. No. | Qty. |
|------------|----------|------|
| WTW WFF 35 | 106710   | 10   |

| Type       | Cat. No. | Qty. |
|------------|----------|------|
| WTW WFF 70 | 106720   | 10   |

### Cross-connection



|          |        |   |
|----------|--------|---|
| WQL 2/35 | 106490 | 5 |
| WQL 3/35 | 106540 | 5 |

|          |        |   |
|----------|--------|---|
| WQL 2/70 | 106500 | 5 |
| WQL 3/70 | 106550 | 5 |

### Auxiliary / control conductor terminal



|         |        |    |
|---------|--------|----|
| WZAF 35 | 107050 | 10 |
|---------|--------|----|

|         |        |    |
|---------|--------|----|
| WZAF 70 | 106620 | 10 |
|---------|--------|----|

### Cover



|                   |
|-------------------|
| Beige PA 66       |
| Blue PA 66        |
| Light-green PA 66 |

|           |        |    |
|-----------|--------|----|
| WAH 35    | 106446 | 20 |
| WAH 35 BL | 106448 | 20 |
| WAH 35 HG | 106445 | 20 |
| WAP*      | 106970 | 20 |

|           |        |    |
|-----------|--------|----|
| WAH 70    | 106456 | 20 |
| WAH 70 BL | 106458 | 20 |
| WAH 70 HG | 106455 | 20 |
| WAP*      | 106980 | 20 |

### Warning sign



|                          |
|--------------------------|
| Yellow, Self-adhesive    |
| With lightning flash     |
| Can be stuck to WAH only |

|                                      |        |   |
|--------------------------------------|--------|---|
| WD 1                                 | 156390 | 5 |
| Qty. = 5 cards with 6 labels on each |        |   |

|                                      |        |   |
|--------------------------------------|--------|---|
| WD 1                                 | 156390 | 5 |
| Qty. = 5 cards with 6 labels on each |        |   |

### Screwdriver / Fixing screw



|                     |
|---------------------|
| For direct assembly |
| Screwdriver         |

|          |        |    |
|----------|--------|----|
| M 6 x 16 | 106370 | 20 |
| SD       | 902450 | -  |

|        |        |    |
|--------|--------|----|
| M 6x16 | 106370 | 20 |
| SD     | 902450 | -  |

### Cupal washers



|                          |
|--------------------------|
| For aluminium conductors |
|--------------------------|

|          |        |    |
|----------|--------|----|
| CPSB M 6 | 015620 | 50 |
|----------|--------|----|

|          |        |    |
|----------|--------|----|
| CPSB M 8 | 015630 | 50 |
|----------|--------|----|

### Marking tags

#### Print

|     |                        |
|-----|------------------------|
| DEK | Consecutive horizontal |
| DEK | Consecutive vertical   |
| WS  | Blank                  |
| WS  | Printed                |

|           |        |   |
|-----------|--------|---|
| DEK 5     | 047346 | - |
| DEK 5     | 047356 | - |
| WS 12/6,5 | 160992 | - |
| WS 12/6,5 | 156895 | - |

|           |        |   |
|-----------|--------|---|
| DEK 5     | 047346 | - |
| DEK 5     | 047356 | - |
| WS 12/6,5 | 160992 | - |
| WS 12/6,5 | 156895 | - |

For further accessories see section 3, further marking material see section 8

\* The WAP can be used only in conjunction with the WAH.  
In the event that no conductor is connected, it guarantees shock protection in the connection area.

**WFF 120**



|                                      |               |      |
|--------------------------------------|---------------|------|
| 335 A/150 mm <sup>2</sup>            |               |      |
| 42/132/72                            |               |      |
| 42/230/81                            |               |      |
| 10                                   |               |      |
| 1000 V/269 A/120 mm <sup>2</sup>     |               |      |
| 8 kV/3                               |               |      |
| 10...20                              |               |      |
| 16...150                             |               |      |
| 6...150                              |               |      |
| 16...120                             |               |      |
| 6...120                              |               |      |
| 2 x 20 x 1                           |               |      |
| 6 x 20 x 1                           |               |      |
| 5 x 24 x 1                           |               |      |
| 5,26...150 C 8                       |               |      |
| 292                                  |               |      |
| 292                                  |               |      |
| 600 V/310 A/10...MCM 250 AWG         |               |      |
| 600 V/310 A/10...MCM 250 AWG         |               |      |
|                                      | Cat. No.      | Qty. |
|                                      | <b>102850</b> | 5    |
|                                      | <b>102858</b> | 5    |
|                                      | <b>102950</b> | 5    |
| Type                                 | Cat. No.      | Qty. |
| WTW WFF 120                          | <b>106730</b> | 10   |
|                                      |               |      |
|                                      |               |      |
|                                      |               |      |
| WQL 2/120                            | <b>106510</b> | 5    |
| WQL 3/120                            | <b>106560</b> | 5    |
|                                      |               |      |
|                                      |               |      |
| WZAF 120                             | <b>106630</b> | 10   |
|                                      |               |      |
|                                      |               |      |
| WAH 120                              | <b>106466</b> | 20   |
| WAH 120 BL                           | <b>106468</b> | 20   |
| WAH 120 HG                           | <b>106465</b> | 20   |
| WAP*                                 | <b>107300</b> | 20   |
|                                      |               |      |
| WD 1                                 | <b>156390</b> | 5    |
| Qty. = 5 cards with 6 lables on each |               |      |
|                                      |               |      |
|                                      |               |      |
| M 6x16                               | <b>106370</b> | 20   |
| SD                                   | <b>902450</b> | -    |
|                                      |               |      |
| CPSB M 10                            | <b>015640</b> | 50   |
|                                      |               |      |
|                                      |               |      |
| DEK 5                                | <b>047346</b> | -    |
| DEK 5                                | <b>047356</b> | -    |
| WS 12/6,5                            | <b>160992</b> | -    |
| WS 12/6,5                            | <b>156895</b> | -    |

**WFF 185 / WFF 185 M 12 + M 16**



|                                      |               |      |
|--------------------------------------|---------------|------|
| 453 A/240 mm <sup>2</sup>            |               |      |
| 55/163/78                            |               |      |
| 55/287/91                            |               |      |
| 12                                   |               |      |
| 1000 V/353 A/185 mm <sup>2</sup>     |               |      |
| 8 kV/3                               |               |      |
| 14...31                              |               |      |
| 25...240                             |               |      |
| 10...240                             |               |      |
| 25...185                             |               |      |
| 10...185                             |               |      |
| 2 x 24 x 1                           |               |      |
| 10 x 24 x 1                          |               |      |
| 2 x 32 x 1                           |               |      |
| 6 x 32 x 1                           |               |      |
| 3 x 35 x 1                           |               |      |
| 8,37...240 C 11                      |               |      |
| 382                                  |               |      |
| 382                                  |               |      |
| 600 V/380 A/8...MCM 500 AWG          |               |      |
| 600 V/360 A/8...MCM 500 AWG          |               |      |
|                                      | Cat. No.      | Qty. |
|                                      | <b>102860</b> | 4    |
|                                      | <b>102868</b> | 4    |
|                                      | <b>102960</b> | 4    |
|                                      | <b>102865</b> | 4    |
| (M12+M16)                            | <b>102865</b> | 4    |
| Type                                 | Cat. No.      | Qty. |
| WTW WFF 185                          | <b>106740</b> | 10   |
|                                      |               |      |
|                                      |               |      |
|                                      |               |      |
| WQL 2                                | <b>106520</b> | 50   |
| WQL 3                                | <b>106570</b> | 50   |
|                                      |               |      |
|                                      |               |      |
| WZAF 185                             | <b>106640</b> | 10   |
|                                      |               |      |
|                                      |               |      |
| WAH 185/300                          | <b>106476</b> | 10   |
| WAH 185/300 BL                       | <b>106478</b> | 10   |
| WAH 185/300 HG                       | <b>106475</b> | 10   |
|                                      |               |      |
| WD 1                                 | <b>156390</b> | 5    |
| Qty. = 5 cards with 6 lables on each |               |      |
|                                      |               |      |
|                                      |               |      |
| M 6x16                               | <b>106370</b> | 20   |
| SD                                   | <b>902450</b> | -    |
|                                      |               |      |
| CPSB M 12                            | <b>015650</b> | 20   |
|                                      |               |      |
|                                      |               |      |
| DEK 5                                | <b>047346</b> | -    |
| DEK 5                                | <b>047356</b> | -    |
| WS 12/6,5                            | <b>160992</b> | -    |
| WS 12/6,5                            | <b>156895</b> | -    |

**WFF 300**



|  |               |      |
|--|---------------|------|
| 630 A                                    |               |      |
| 55/163/86                                |               |      |
| 55/287/90                                |               |      |
| 16                                       |               |      |
| 1000 V/520 A/300 mm <sup>2</sup>         |               |      |
| 8 kV/3                                   |               |      |
| 25...60                                  |               |      |
| 50...300                                 |               |      |
| 25...240                                 |               |      |
| 50...240                                 |               |      |
| 25...240                                 |               |      |
| 2 x 40 x 1                               |               |      |
| 3 x 35 x 1                               |               |      |
| 6 x 40 x 1                               |               |      |
| 8 x 32 x 1                               |               |      |
| 8 x 40 x 1                               |               |      |
| 13,3...300 -                             |               |      |
| 520                                      |               |      |
| 520                                      |               |      |
| 600 V/500 A/6...MCM 600 AWG              |               |      |
| 600 V/510 A/6...MCM 600 AWG              |               |      |
|  | Cat. No.      | Qty. |
|  | <b>102870</b> | 4    |
|  | <b>102878</b> | 4    |
|  | <b>102970</b> | 4    |
| Type                                     | Cat. No.      | Qty. |
| WTW WFF 300                              | <b>106740</b> | 10   |
|  |               |      |
|  |               |      |
|  |               |      |
| WQL 2                                    | <b>106530</b> | 50   |
| WQL 3                                    | <b>106580</b> | 50   |
|  |               |      |
|  |               |      |
| WZAF 300                                 | <b>106650</b> | 10   |
|  |               |      |
|  |               |      |
| WAH 185/300                              | <b>106476</b> | 10   |
| WAH 185/300 BL                           | <b>106478</b> | 10   |
| WAH 185/300 HG                           | <b>106475</b> | 10   |
|  |               |      |
| WD 1                                     | <b>156390</b> | 5    |
| Qty. = 5 Karten mit je 6 Einzelschildern |               |      |
|  |               |      |
|  |               |      |
| M 6x16                                   | <b>106370</b> | 20   |
| SD                                       | <b>902450</b> | -    |
|  |               |      |
| CPSB M 16                                | <b>015650</b> | 20   |
|  |               |      |
|  |               |      |
| DEK 5                                    | <b>047346</b> | -    |
| DEK 5                                    | <b>047356</b> | -    |
| WS 12/6,5                                | <b>160992</b> | -    |
| WS 12/6,5                                | <b>156895</b> | -    |

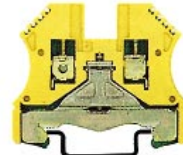
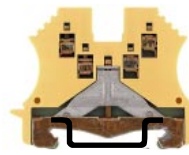
**Protective conductor terminal blocks**

**WPE 2.5N**

**WPE 1.5/ZZ**

**WPE 2.5**

**WPE 2.5/1.5/ZR**



| Dimensions   |                         |
|--|-------------------------|
| Width/length/height (mm)   | With TS 35 x 7.5        |
| Insulation stripping length/clamping screw/screwdriver blade       |                         |
| <b>VDE rated data, 0611, Part 3/11.89</b> Rated voltage / current  |                         |
| for PEN / cross-section  |                         |
| Rated voltage/impulse voltage/pollution severity adjacent terminal |                         |
| Further technical data   |                         |
| Tightening torque range  | Nm                      |
| Torque setting with DMS2 electric screwdriver                      |                         |
| Clampable conductor  |                         |
| solid H07V-U   | mm <sup>2</sup>         |
| stranded H07V-R  | mm <sup>2</sup>         |
| flexible H07V-K  | mm <sup>2</sup>         |
| flexible H07V-K and AEH DIN 46 228/1                               | mm <sup>2</sup>         |
| flexible H07V-K and AEH with plastic insul. collar                 | mm <sup>2</sup>         |
| AWG conductor  | No.                     |
| Max. Clamping Range in mm <sup>2</sup>                             | Gauge pin to 947-1 Size |
| Ordering data  |                         |
|  | Green/yellow Wemid      |

|           |                       |                             |              |           |      |          |         |         |         |                         |          |          |     |          |      |          |      |
|-----------|-----------------------|-----------------------------|--------------|-----------|------|----------|---------|---------|---------|-------------------------|----------|----------|-----|----------|------|----------|------|
| 5/54/37,5 | 10 mm/M 2,5/3,5 x 0,6 | - V/- A/2,5 mm <sup>2</sup> | 500 V/6 kV/3 | 0,4...0,7 | 1/1  | 0,5...4  | 1,5...4 | 0,5...4 | 0,5...4 | 0,5...2,5 <sup>5)</sup> | 26...12  | 0,13...4 | A 3 | Cat. No. | Qty. |          |      |
|           |                       |                             |              |           |      |          |         |         |         |                         |          |          |     | 101620   | 100  |          |      |
| Type      | Cat. No.              | Qty.                        |              |           | Type | Cat. No. | Qty.    |         |         | Type                    | Cat. No. | Qty.     |     |          | Type | Cat. No. | Qty. |
| SH 2      | 049492                | 10                          |              |           | SH 2 | 049492   | 10      |         |         | SH 2                    | 049492   | 10       |     |          | SH 2 | 049492   | 10   |

|         |                      |                             |              |           |      |           |           |           |           |                         |          |            |     |          |      |          |      |
|---------|----------------------|-----------------------------|--------------|-----------|------|-----------|-----------|-----------|-----------|-------------------------|----------|------------|-----|----------|------|----------|------|
| 5/60/47 | 7 mm/M 2,5/3,5 x 0,6 | - V/- A/1,5 mm <sup>2</sup> | 690 V/8 kV/3 | 0,4...0,7 | 1/1  | 0,5...2,5 | 1,5...2,5 | 0,5...1,5 | 0,5...1,5 | 0,5...2,5 <sup>5)</sup> | 26...14  | 0,08...2,5 | A 1 | Cat. No. | Qty. |          |      |
|         |                      |                             |              |           |      |           |           |           |           |                         |          |            |     | 101650   | 100  |          |      |
| Type    | Cat. No.             | Qty.                        |              |           | Type | Cat. No.  | Qty.      |           |           | Type                    | Cat. No. | Qty.       |     |          | Type | Cat. No. | Qty. |
| SH 2    | 049492               | 10                          |              |           | SH 2 | 049492    | 10        |           |           | SH 2                    | 049492   | 10         |     |          | SH 2 | 049492   | 10   |

|         |                       |                             |              |           |      |          |         |         |           |                         |          |          |     |          |      |          |      |
|---------|-----------------------|-----------------------------|--------------|-----------|------|----------|---------|---------|-----------|-------------------------|----------|----------|-----|----------|------|----------|------|
| 5/60/47 | 10 mm/M 2,5/3,5 x 0,6 | - V/- A/2,5 mm <sup>2</sup> | 800 V/8 kV/3 | 0,4...0,7 | 1/1  | 0,5...4  | 1,5...4 | 0,5...4 | 0,5...2,5 | 0,5...2,5 <sup>5)</sup> | 26...12  | 0,13...4 | A 3 | Cat. No. | Qty. |          |      |
|         |                       |                             |              |           |      |          |         |         |           |                         |          |          |     | 101000   | 100  |          |      |
| Type    | Cat. No.              | Qty.                        |              |           | Type | Cat. No. | Qty.    |         |           | Type                    | Cat. No. | Qty.     |     |          | Type | Cat. No. | Qty. |
| SH 2    | 049492                | 10                          |              |           | SH 2 | 049492   | 10      |         |           | SH 2                    | 049492   | 10       |     |          | SH 2 | 049492   | 10   |

|         |                         |                                 |              |           |      |             |             |             |               |                             |            |                     |         |          |      |          |      |
|---------|-------------------------|---------------------------------|--------------|-----------|------|-------------|-------------|-------------|---------------|-----------------------------|------------|---------------------|---------|----------|------|----------|------|
| 5/60/47 | 10/7 mm/M 2,5/3,5 x 0,6 | - V/- A/2,5/1,5 mm <sup>2</sup> | 690 V/8 kV/3 | 0,4...0,7 | 1/1  | 0,5...4/2,5 | 1,5...4/2,5 | 0,5...4/1,5 | 0,5...2,5/1,5 | 0,5...2,5/1,5 <sup>5)</sup> | 26...12/14 | 0,13...4/0,08...2,5 | A 3/A 1 | Cat. No. | Qty. |          |      |
|         |                         |                                 |              |           |      |             |             |             |               |                             |            |                     |         | 101640   | 100  |          |      |
| Type    | Cat. No.                | Qty.                            |              |           | Type | Cat. No.    | Qty.        |             |               | Type                        | Cat. No.   | Qty.                |         |          | Type | Cat. No. | Qty. |
| SH 2    | 049492                  | 10                              |              |           | SH 2 | 049492      | 10          |             |               | SH 2                        | 049492     | 10                  |         |          | SH 2 | 049492   | 10   |

| Support block <sup>1)</sup> |                        |
|-----------------------------|------------------------|
|                             | Green/yellow Wemid     |
| Marking tags                |                        |
| DEK                         | Consecutive horizontal |
| DEK                         | Consecutive vertical   |
| WS                          | Blank                  |
| WS                          | Printed                |

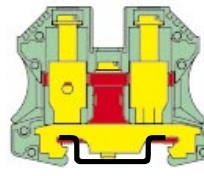


**WPE 10**

**WPE 16N**

**WPE 16**

**WPE 35N**



| Dimensions   |  |
|--|--|
| Width/length/height (mm)   | With TS 35 x 7.5                       |
| Insulation stripping length/clamping screw/screwdriver blade       |  |
| <b>VDE rated data, 0611, Part 3/11.89</b> Rated voltage / current  |  |
| for PEN / cross-section  |  |
| Rated voltage/impulse voltage/pollution severity adjacent terminal |  |
| Further technical data   |  |
| Tightening torque range  | Nm                                     |
| Torque setting with DMS2 electric screwdriver                      |  |
| Clampable conductor  |  |
| solid H07V-U   | mm <sup>2</sup>                        |
| stranded H07V-R  | mm <sup>2</sup>                        |
| flexible H07V-K  | mm <sup>2</sup>                        |
| flexible H07V-K and AEH DIN 46 228/1                               | mm <sup>2</sup>                        |
| flexible H07V-K and AEH with plastic insul. collar                 | mm <sup>2</sup>                        |
| AWG conductor  | No.                                    |
| Max. Clamping Range in mm <sup>2</sup>                             | Gauge pin to 947-1 Size                |
| Ordering data  |  |
|  | Green/yellow Wemid with hexagon socket |

|          |                     |                             |              |                      |      |          |          |          |          |          |          |           |     |          |      |          |      |
|----------|---------------------|-----------------------------|--------------|----------------------|------|----------|----------|----------|----------|----------|----------|-----------|-----|----------|------|----------|------|
| 10/60/47 | 12 mm/M 4/5,5 x 1,0 | - V/57 A/10 mm <sup>2</sup> | 800 V/8 kV/3 | 1,2...2,4/0,5...1,0* | 3/2  | 1,5...16 | 1,5...16 | 1,5...16 | 1,5...16 | 1,5...16 | 16...8   | 1,31...16 | B 6 | Cat. No. | Qty. |          |      |
|          |                     |                             |              |                      |      |          |          |          |          |          |          |           |     | 101030   | 50   |          |      |
| Type     | Cat. No.            | Qty.                        |              |                      | Type | Cat. No. | Qty.     |          |          | Type     | Cat. No. | Qty.      |     |          | Type | Cat. No. | Qty. |
| SH 2     | 049492              | 10                          |              |                      | SH 2 | 049492   | 10       |          |          | SH 2     | 049492   | 10        |     |          | SH 2 | 049492   | 10   |

|          |                     |                             |              |                      |      |          |          |          |          |          |          |          |     |                      |      |          |      |
|----------|---------------------|-----------------------------|--------------|----------------------|------|----------|----------|----------|----------|----------|----------|----------|-----|----------------------|------|----------|------|
| 12/60/47 | 12 mm/M 4/5,5 x 1,0 | - V/76 A/16 mm <sup>2</sup> | 400 V/6 kV/3 | 1,2...2,4/0,5...1,0* | -/4  | 1,5...16 | 1,5...25 | 1,5...16 | 1,5...16 | 1,5...16 | 14...6   | 1,5...25 | B 7 | Cat. No.             | Qty. |          |      |
|          |                     |                             |              |                      |      |          |          |          |          |          |          |          |     | 101910 <sup>5)</sup> | 50   |          |      |
| Type     | Cat. No.            | Qty.                        |              |                      | Type | Cat. No. | Qty.     |          |          | Type     | Cat. No. | Qty.     |     |                      | Type | Cat. No. | Qty. |
| SH 2     | 049492              | 10                          |              |                      | SH 2 | 049492   | 10       |          |          | SH 2     | 049492   | 10       |     |                      | SH 2 | 049492   | 10   |

|          |                     |                             |              |                      |      |          |          |          |          |          |          |          |     |          |      |          |      |
|----------|---------------------|-----------------------------|--------------|----------------------|------|----------|----------|----------|----------|----------|----------|----------|-----|----------|------|----------|------|
| 12/60/63 | 16 mm/M 5/5,5 x 1,0 | - V/76 A/16 mm <sup>2</sup> | 800 V/8 kV/3 | 2,0...4,0/1,2...2,4* | -/4  | 1,5...16 | 1,5...16 | 1,5...16 | 1,5...16 | 1,5...16 | 14...6   | 1,5...25 | B 7 | Cat. No. | Qty. |          |      |
|          |                     |                             |              |                      |      |          |          |          |          |          |          |          |     | 101040   | 50   |          |      |
| Type     | Cat. No.            | Qty.                        |              |                      | Type | Cat. No. | Qty.     |          |          | Type     | Cat. No. | Qty.     |     |          | Type | Cat. No. | Qty. |
| SH 2     | 049492              | 10                          |              |                      | SH 2 | 049492   | 10       |          |          | SH 2     | 049492   | 10       |     |          | SH 2 | 049492   | 10   |

|          |                     |                              |              |                      |      |          |          |          |          |          |          |          |     |          |      |          |      |
|----------|---------------------|------------------------------|--------------|----------------------|------|----------|----------|----------|----------|----------|----------|----------|-----|----------|------|----------|------|
| 16/66/51 | 18 mm/M 6/5,5 x 1,0 | - V/125 A/35 mm <sup>2</sup> | 400 V/6 kV/3 | 2,5...5,0/1,2...2,4* | -/4  | 2,5...16 | 2,5...50 | 2,5...35 | 2,5...35 | 2,5...35 | 2,5...35 | 2,5...50 | B 9 | Cat. No. | Qty. |          |      |
|          |                     |                              |              |                      |      |          |          |          |          |          |          |          |     | 171774   | 25   |          |      |
| Type     | Cat. No.            | Qty.                         |              |                      | Type | Cat. No. | Qty.     |          |          | Type     | Cat. No. | Qty.     |     |          | Type | Cat. No. | Qty. |
| SH 2     | 049492              | 10                           |              |                      | SH 2 | 049492   | 10       |          |          | SH 2     | 049492   | 10       |     |          | SH 2 | 049492   | 10   |

| Support block <sup>1)</sup> |  |
|-----------------------------|--|
|                             | Green/yellow Wemid with hexagon socket |
| Marking tags                |  |
| DEK                         | Consecutive horizontal                 |
| DEK                         | Consecutive vertical                   |
| WS                          | Blank                                  |
| WS                          | Printed                                |



|          |                     |                             |              |                      |      |          |          |          |          |          |          |           |     |          |      |          |      |
|----------|---------------------|-----------------------------|--------------|----------------------|------|----------|----------|----------|----------|----------|----------|-----------|-----|----------|------|----------|------|
| 10/60/47 | 12 mm/M 4/5,5 x 1,0 | - V/57 A/10 mm <sup>2</sup> | 800 V/8 kV/3 | 1,2...2,4/0,5...1,0* | 3/2  | 1,5...16 | 1,5...16 | 1,5...16 | 1,5...16 | 1,5...16 | 16...8   | 1,31...16 | B 6 | Cat. No. | Qty. |          |      |
|          |                     |                             |              |                      |      |          |          |          |          |          |          |           |     | 101030   | 50   |          |      |
| Type     | Cat. No.            | Qty.                        |              |                      | Type | Cat. No. | Qty.     |          |          | Type     | Cat. No. | Qty.      |     |          | Type | Cat. No. | Qty. |
| SH 2     | 049492              | 10                          |              |                      | SH 2 | 049492   | 10       |          |          | SH 2     | 049492   | 10        |     |          | SH 2 | 049492   | 10   |

|          |                     |                             |              |                      |      |          |          |          |          |          |          |          |     |                      |      |          |      |
|----------|---------------------|-----------------------------|--------------|----------------------|------|----------|----------|----------|----------|----------|----------|----------|-----|----------------------|------|----------|------|
| 12/60/47 | 12 mm/M 4/5,5 x 1,0 | - V/76 A/16 mm <sup>2</sup> | 400 V/6 kV/3 | 1,2...2,4/0,5...1,0* | -/4  | 1,5...16 | 1,5...25 | 1,5...16 | 1,5...16 | 1,5...16 | 14...6   | 1,5...25 | B 7 | Cat. No.             | Qty. |          |      |
|          |                     |                             |              |                      |      |          |          |          |          |          |          |          |     | 101910 <sup>5)</sup> | 50   |          |      |
| Type     | Cat. No.            | Qty.                        |              |                      | Type | Cat. No. | Qty.     |          |          | Type     | Cat. No. | Qty.     |     |                      | Type | Cat. No. | Qty. |
| SH 2     | 049492              | 10                          |              |                      | SH 2 | 049492   | 10       |          |          | SH 2     | 049492   | 10       |     |                      | SH 2 | 049492   | 10   |

|          |                     |                             |              |                      |      |          |          |          |          |          |          |          |     |          |      |          |      |
|----------|---------------------|-----------------------------|--------------|----------------------|------|----------|----------|----------|----------|----------|----------|----------|-----|----------|------|----------|------|
| 12/60/63 | 16 mm/M 5/5,5 x 1,0 | - V/76 A/16 mm <sup>2</sup> | 800 V/8 kV/3 | 2,0...4,0/1,2...2,4* | -/4  | 1,5...16 | 1,5...16 | 1,5...16 | 1,5...16 | 1,5...16 | 14...6   | 1,5...25 | B 7 | Cat. No. | Qty. |          |      |
|          |                     |                             |              |                      |      |          |          |          |          |          |          |          |     | 101040   | 50   |          |      |
| Type     | Cat. No.            | Qty.                        |              |                      | Type | Cat. No. | Qty.     |          |          | Type     | Cat. No. | Qty.     |     |          | Type | Cat. No. | Qty. |
| SH 2     | 049492              | 10                          |              |                      | SH 2 | 049492   | 10       |          |          | SH 2     | 049492   | 10       |     |          | SH 2 | 049492   | 10   |

|          |                     |                              |              |                      |      |          |          |          |          |          |          |          |     |          |      |          |      |
|----------|---------------------|------------------------------|--------------|----------------------|------|----------|----------|----------|----------|----------|----------|----------|-----|----------|------|----------|------|
| 16/66/51 | 18 mm/M 6/5,5 x 1,0 | - V/125 A/35 mm <sup>2</sup> | 400 V/6 kV/3 | 2,5...5,0/1,2...2,4* | -/4  | 2,5...16 | 2,5...50 | 2,5...35 | 2,5...35 | 2,5...35 | 2,5...35 | 2,5...50 | B 9 | Cat. No. | Qty. |          |      |
|          |                     |                              |              |                      |      |          |          |          |          |          |          |          |     | 171774   | 25   |          |      |
| Type     | Cat. No.            | Qty.                         |              |                      | Type | Cat. No. | Qty.     |          |          | Type     | Cat. No. | Qty.     |     |          | Type | Cat. No. | Qty. |
| SH 2     | 049492              | 10                           |              |                      | SH 2 | 049492   | 10       |          |          | SH 2     | 049492   | 10       |     |          | SH 2 | 049492   | 10   |

1) For insulated arrangement of mounting rails in totally insulated systems  
 2) Insertable link in a TN C distribution network between N terminal (WDU blue) and PE terminal (WPE)  
 3) Yellow side open, see fitting note, page 6/11  
 4) For PEN link in conjunction with WQV 16 N, connect neutral conductor between PE and phase.  
 5) Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310  
 6) Using 35 mm<sup>2</sup> with 5 Nm tightening torque

**WDK 2.5 PE**

**WDK 2.5 DU-PE\*\***

**WPE 4**

**WPE 6**



|                             |
|-----------------------------|
| 5/69/63                     |
| 10 mm/M 2,5/3,5 x 0,6       |
| - V/- A/2,5 mm <sup>2</sup> |
| 400 V/6 kV/3                |
| 0,4...0,7                   |
| 1/1                         |
| 0,5...4                     |
| 1,5...4                     |
| 0,5...2,5                   |
| 0,5...2,5                   |
| 0,5...2,5 <sup>5)</sup>     |
| 22...12                     |
| 0,13...4                    |
| A 3                         |
| Cat. No. Qty.               |
| <b>103630</b> 100           |
| Type Cat. No. Qty.          |
| SH 2 <b>049492</b> 10       |
| DEK 5 <b>047346</b> -       |
| DEK 5 <b>047356</b> -       |
| WS 8/5 <b>164074</b> -      |
| WS 8/5 <b>158008</b> -      |

|                             |
|-----------------------------|
| 5/69/63                     |
| 10 mm/M 2,5/3,5 x 0,6       |
| - V/- A/2,5 mm <sup>2</sup> |
| 400 V/6 kV/3                |
| 0,4...0,7                   |
| 1/1                         |
| 0,5...4                     |
| 1,5...4                     |
| 0,5...2,5                   |
| 0,5...2,5                   |
| 0,5...2,5 <sup>5)</sup>     |
| 22...12                     |
| 0,13...4                    |
| A 3                         |
| Cat. No. Qty.               |
| <b>103640</b> 100           |
| Type Cat. No. Qty.          |
| SH 2 <b>049492</b> 10       |
| DEK 5 <b>047346</b> -       |
| DEK 5 <b>047356</b> -       |
| WS 8/5 <b>164074</b> -      |
| WS 8/5 <b>158008</b> -      |

|                           |
|---------------------------|
| 6/60/47                   |
| 10 mm/M 3/3,5 x 0,6       |
| - V/- A/4 mm <sup>2</sup> |
| 800 V/8 kV/3              |
| 0,5...1,0/0,5...1,0*      |
| 1/1                       |
| 0,5...6                   |
| 1,5...6                   |
| 0,5...6                   |
| 0,5...4                   |
| 0,5...4                   |
| 26...10                   |
| 0,13...4                  |
| A 4                       |
| Cat. No. Qty.             |
| <b>101010</b> 100         |
| Type Cat. No. Qty.        |
| SH 2 <b>049492</b> 10     |
| DEK 6 <b>046866</b> -     |
| DEK 6 <b>046876</b> -     |
| WS 12/6 <b>160990</b> -   |
| WS 12/6 <b>144766</b> -   |

|                           |
|---------------------------|
| 8/60/47                   |
| 12 mm/M 3,5/4,0 x 0,8     |
| - V/- A/6 mm <sup>2</sup> |
| 800 V/8 kV/3              |
| 0,8...1,6/0,5...1,0*      |
| 3/2                       |
| 0,5...6                   |
| 1,5...6                   |
| 0,5...10                  |
| 0,5...6                   |
| 0,5...6                   |
| 26...8                    |
| 0,5...10                  |
| A 5                       |
| Cat. No. Qty.             |
| <b>101020</b> 100         |
| Type Cat. No. Qty.        |
| SH 2 <b>049492</b> 10     |
| DEK 8 <b>127696</b> -     |
| DEK 8 <b>128966</b> -     |
| WS 12/6,5 <b>160992</b> - |
| WS 12/6,5 <b>156895</b> - |

**WPE 35**

**WPE 70N**

**WPE 70/95**

**WPE 120**



|                              |
|------------------------------|
| 16/60/63                     |
| 18 mm/M 6/5,5 x 1,0          |
| - V/125 A/35 mm <sup>2</sup> |
| 800 V/8 kV/3                 |
| 2,5...5,0/1,2...2,4*         |
| -/4                          |
| 2,5...16                     |
| 2,5...35 <sup>6)</sup>       |
| 2,5...35 <sup>6)</sup>       |
| 2,5...35 <sup>6)</sup>       |
| 2,5...35 <sup>6)</sup>       |
| 12...2                       |
| 2,5...35                     |
| B 9                          |
| Cat. No. Qty.                |
| <b>101050</b> 25             |
| <b>101260</b> 25             |
| Type Cat. No. Qty.           |
| SH 2 <b>049492</b> 10        |
| <b>External</b>              |
| WQB-PEN 35 <b>106010</b> 10  |
| DEK 8 <b>127696</b> -        |
| DEK 8 <b>128966</b> -        |
| WS 12/6,5 <b>160992</b> -    |
| WS 12/6,5 <b>156895</b> -    |

|                              |
|------------------------------|
| 20,5/75/86                   |
| 22 mm/M 8/S 6 DIN 6911       |
| - V/192 A/70 mm <sup>2</sup> |
| 1000 V/8 kV/3                |
| 6,0...12/2,0...4,0*          |
| 10...16                      |
| 10...95                      |
| 10...70                      |
| 10...70                      |
| 10...70                      |
| 8...2/0                      |
| 10...95                      |
| B 11                         |
| Cat.No. Qty.                 |
| <b>951220</b> 10             |
| <b>in Cu only</b>            |
| Type Cat. No. Qty.           |
| SH 2 <b>049492</b> 10        |
| <b>Internal</b>              |
| WQV 70N-PEN <b>952584</b> 5  |
| DEK 8 <b>127696</b> -        |
| DEK 8 <b>128966</b> -        |
| WS 12/6,5 <b>160992</b> -    |
| WS 12/6,5 <b>156895</b> -    |

|                               |
|-------------------------------|
| 27/132/108                    |
| 30 mm/M 8/S 6 DIN 6911        |
| - V/232 A/95 mm <sup>2</sup>  |
| 1000 V/8 kV/3                 |
| 6,0...12/3,0...6,0*           |
| 16                            |
| 16...120***                   |
| 16...95***                    |
| 35...95***                    |
| 35...50                       |
| 6...2/0                       |
| 16...120                      |
| B 12                          |
| Cat.No. Qty.                  |
| <b>103730</b> 10              |
| <b>in Cu only</b>             |
| Type Cat. No. Qty.            |
| SH 2 <b>049492</b> 10         |
| <b>Internal</b>               |
| WQV 70/95-PEN <b>107230</b> 5 |
| DEK 5 <b>047346</b> -         |
| DEK 5 <b>047356</b> -         |
| WS 12/6,5 <b>160992</b> -     |
| WS 12/6,5 <b>156895</b> -     |

|                               |
|-------------------------------|
| 32/132/118                    |
| 35 mm/M 10/S 6 DIN 6911       |
| - V/269 A/120 mm <sup>2</sup> |
| 1000 V/8 kV/3                 |
| 10...20/3,0...6,0*            |
| -                             |
| 35...150                      |
| 35...150                      |
| -                             |
| -                             |
| 2...MCM 250                   |
| 35...150                      |
| B 13                          |
| Cat.No. Qty.                  |
| <b>101970</b> 10              |
| <b>in Cu only</b>             |
| Type Cat. No. Qty.            |
| SH 2 <b>049492</b> 10         |
| <b>Internal</b>               |
| WQV 120-PEN <b>107240</b> 5   |
| DEK 5 <b>047346</b> -         |
| DEK 5 <b>047356</b> -         |
| WS 12/6,5 <b>160992</b> -     |
| WS 12/6,5 <b>156895</b> -     |

\* applies to centre screw

\*\* see also page 2/7

\*\*\* using 95 mm<sup>2</sup> and 120 mm<sup>2</sup> with 10 Nm tightening torque

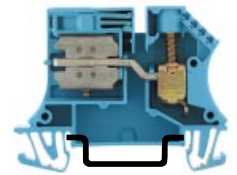
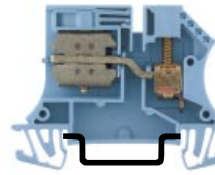
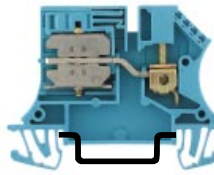
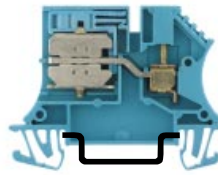
**Isolating neutral terminal blocks**

**WNT 2.5**

**WNT 4**

**WNT 6**

**WNT 10**



Max. Technical Data

| Dimensions   |   |
|--|---|
| Width/length/height (mm)                                     | With TS 35 x 7.5                        |
| Insulation stripping length/clamping screw/screwdriver blade | 10 mm/M 2,5/3,5 x 0,6                   |
| VDE rated data, 0611 Part 5 / 5.84                           |   |
| Rated voltage/rated current/rated cross-section              | 400 V/24 A/2,5 mm <sup>2</sup>          |
| Rated voltage/impulse voltage/pollution severity             | 400 V/6 kV/3                            |
| Further technical data                                       |   |
| Tightening torque range                                      | Nm 0,4...0,8                            |
| Torque setting with DMS2 electric screwdriver                | 1                                       |
| Clampable conductor  |   |
| solid H07V-U   | mm <sup>2</sup> 0,5...4                 |
| stranded H07V-R  | mm <sup>2</sup> 1,5...4                 |
| flexible H07V-K  | mm <sup>2</sup> 0,5...4                 |
| flexible H07V-K and AEH DIN 46 228/1                         | mm <sup>2</sup> 0,5...2,5               |
| flexible H07V-K and AEH with plastic insul. collar           | mm <sup>2</sup> 0,5...2,5 <sup>1)</sup> |
| Max. Clamping Range in mm <sup>2</sup>                       | Gauge pin to 947-1 Size 0,13...4        |
| Continuous current rating of cross-connection 2-pole         | A                                       |
| Continuous current rating of cross-connection multipole      | A                                       |

|                                |     |
|--------------------------------|-----|
| 32 A/4 mm <sup>2</sup>         |     |
| 5/60/47                        |     |
| 10 mm/M 2,5/3,5 x 0,6          |     |
| 400 V/24 A/2,5 mm <sup>2</sup> |     |
| 400 V/6 kV/3                   |     |
| 0,4...0,8                      |     |
| 1                              |     |
| 0,5...4                        |     |
| 1,5...4                        |     |
| 0,5...4                        |     |
| 0,5...2,5                      |     |
| 0,5...2,5 <sup>1)</sup>        |     |
| 0,13...4                       | A 3 |

|                              |     |
|------------------------------|-----|
| 41 A/6 mm <sup>2</sup>       |     |
| 6/60/47                      |     |
| 10 mm/M 3/3,5 x 0,6          |     |
| 400 V/32 A/4 mm <sup>2</sup> |     |
| 400 V/6 kV/3                 |     |
| 0,5...1,0                    |     |
| 2                            |     |
| 0,5...6                      |     |
| 1,5...6                      |     |
| 0,5...6                      |     |
| 0,5...4                      |     |
| 0,13...6                     | A 4 |

|                              |     |
|------------------------------|-----|
| 57 A/10 mm <sup>2</sup>      |     |
| 8/60/47                      |     |
| 12 mm/M 3,5/4,0 x 0,8        |     |
| 400 V/41 A/6 mm <sup>2</sup> |     |
| 400 V/6 kV/3                 |     |
| 0,8...1,6                    |     |
| 3                            |     |
| 0,5...10                     |     |
| 1,5...10                     |     |
| 0,5...10                     |     |
| 0,5...6                      |     |
| 0,5...10                     | A 5 |

|                               |     |
|-------------------------------|-----|
| 76A/16 mm <sup>2</sup>        |     |
| 10/60/47                      |     |
| 12 mm/M 4/5,5 x 1,0           |     |
| 400 V/57 A/10 mm <sup>2</sup> |     |
| 400 V/6 kV/3                  |     |
| 1,2...2,4                     |     |
| 4                             |     |
| 1,5...16                      |     |
| 1,5...16                      |     |
| 1,5...16                      |     |
| 1,5...16                      |     |
| 1,5...16                      |     |
| 1,31...16                     | B 6 |

| UL / CSA rated data                |                            |
|------------------------------------|----------------------------|
| Voltage / current / conductor size | UL 600 V/25 A/22...12 AWG  |
| Voltage / current / conductor size | CSA 600 V/20 A/26...12 AWG |

|                        |  |
|------------------------|--|
| 600 V/25 A/22...12 AWG |  |
| 600 V/20 A/26...12 AWG |  |

|                        |  |
|------------------------|--|
| 600 V/35 A/22...10 AWG |  |
| 600 V/35 A/26...10 AWG |  |

|                       |  |
|-----------------------|--|
| 600 V/45 A/20...8 AWG |  |
| 600 V/45 A/20...8 AWG |  |

|                       |  |
|-----------------------|--|
| 600 V/60 A/16...8 AWG |  |
| 600 V/65 A/16...6 AWG |  |

| Ordering data  |                        | Version           |
|--|------------------------|-------------------|
| For 10x3 busbars                                       | Blue Wemid             | <b>101068</b> 100 |
| For 10x3 busbars as equipotential bonding disconnector | beige Wemid (VDE 0107) | <b>101060</b> 100 |

|        |     |
|--------|-----|
| 101068 | 100 |
| 101060 | 100 |

|        |     |
|--------|-----|
| 101078 | 100 |
| 101070 | 100 |

|        |    |
|--------|----|
| 101088 | 50 |
| 101080 | 50 |

|        |    |
|--------|----|
| 101098 | 50 |
| 101090 | 50 |

| End plate        |             |                             |
|------------------|-------------|-----------------------------|
| Thickness 1.5 mm | Blue Wemid  | WAP 2.5-10 <b>105008</b> 50 |
|                  | Beige Wemid | WAP 2.5-10 <b>105000</b> 50 |

|            |        |    |
|------------|--------|----|
| WAP 2.5-10 | 105008 | 50 |
| WAP 2.5-10 | 105000 | 50 |

|            |        |    |
|------------|--------|----|
| WAP 2.5-10 | 105008 | 50 |
| WAP 2.5-10 | 105000 | 50 |

|            |        |    |
|------------|--------|----|
| WAP 2.5-10 | 105008 | 50 |
| WAP 2.5-10 | 105000 | 50 |

|            |        |    |
|------------|--------|----|
| WAP 2.5-10 | 105008 | 50 |
| WAP 2.5-10 | 105000 | 50 |

| Support plate                |             |                             |
|------------------------------|-------------|-----------------------------|
| für SSch 10 x 3              | Blue Wemid  | WHP 2.5-10 <b>105028</b> 20 |
|                              | beige Wemid | WHP 2.5-10 <b>105020</b> 20 |
| Thickness 1.5 mm             |             |                             |
| Distance WHP-WHP max. 200 mm |             |                             |

|            |        |    |
|------------|--------|----|
| WHP 2.5-10 | 105028 | 20 |
| WHP 2.5-10 | 105020 | 20 |

|            |        |    |
|------------|--------|----|
| WHP 2.5-10 | 105028 | 20 |
| WHP 2.5-10 | 105020 | 20 |

|            |        |    |
|------------|--------|----|
| WHP 2.5-10 | 105028 | 20 |
| WHP 2.5-10 | 105020 | 20 |

|            |        |    |
|------------|--------|----|
| WHP 2.5-10 | 105028 | 20 |
| WHP 2.5-10 | 105020 | 20 |

| Busbar 10 x 3                               |          |                                  |
|---|----------|----------------------------------|
| Topface busbar till topface TS 35 = 25.5 mm | Cu 140 A | SSch 10 x 3 Cu <b>034890</b> 1 m |
|   | Ms 100 A | SSch 10 x 3 Ms <b>025980</b> 1 m |

|                |        |     |
|----------------|--------|-----|
| SSch 10 x 3 Cu | 034890 | 1 m |
| SSch 10 x 3 Ms | 025980 | 1 m |

|                |        |     |
|----------------|--------|-----|
| SSch 10 x 3 Cu | 034890 | 1 m |
| SSch 10 x 3 Ms | 025980 | 1 m |

|                |        |     |
|----------------|--------|-----|
| SSch 10 x 3 Cu | 034890 | 1 m |
| SSch 10 x 3 Ms | 025980 | 1 m |

|                |        |     |
|----------------|--------|-----|
| SSch 10 x 3 Cu | 034890 | 1 m |
| SSch 10 x 3 Ms | 025980 | 1 m |

| Clamping yoke                    |         |                          |
|----------------------------------|---------|--------------------------|
| Applied input for SSch 10 x 3    | ZB 35 K | ZB 35 K <b>050268</b> 20 |
| 16...50 mm <sup>2</sup> stranded | ZB 35   | ZB 35 <b>026650</b> 20   |
| 16...35 mm <sup>2</sup> flexible |         |                          |
| Gauge pin to B9                  |         |                          |

|         |        |    |
|---------|--------|----|
| ZB 35 K | 050268 | 20 |
| ZB 35   | 026650 | 20 |

|         |        |    |
|---------|--------|----|
| ZB 35 K | 050268 | 20 |
| ZB 35   | 026650 | 20 |

|         |        |    |
|---------|--------|----|
| ZB 35 K | 050268 | 20 |
| ZB 35   | 026650 | 20 |

|         |        |    |
|---------|--------|----|
| ZB 35 K | 050268 | 20 |
| ZB 35   | 026650 | 20 |

| Test plug |        |                         |
|-----------|--------|-------------------------|
|           | PS 2.3 | PS 2.3 <b>018040</b> 20 |

|        |        |    |
|--------|--------|----|
| PS 2.3 | 018040 | 20 |
|--------|--------|----|

|        |        |    |
|--------|--------|----|
| PS 2.3 | 018040 | 20 |
|--------|--------|----|

|        |        |    |
|--------|--------|----|
| PS 2.3 | 018040 | 20 |
|--------|--------|----|

|        |        |    |
|--------|--------|----|
| PS 2.3 | 018040 | 20 |
|--------|--------|----|

| End bracket |            |                             |
|-------------|------------|-----------------------------|
|             | WEW 35 / 2 | WEW 35 / 2 <b>106120</b> 50 |

|            |        |    |
|------------|--------|----|
| WEW 35 / 2 | 106120 | 50 |
|------------|--------|----|

|            |        |    |
|------------|--------|----|
| WEW 35 / 2 | 106120 | 50 |
|------------|--------|----|

|            |        |    |
|------------|--------|----|
| WEW 35 / 2 | 106120 | 50 |
|------------|--------|----|

|            |        |    |
|------------|--------|----|
| WEW 35 / 2 | 106120 | 50 |
|------------|--------|----|

| Using external link                      |  |  |
|--|--|--|
| Clampable cond. section one degree lower |  |  |

| Marking tags |                        | Print                   |
|--------------|------------------------|-------------------------|
| DEK          | Consecutive horizontal | DEK 5 <b>047346</b> -   |
| DEK          | Consecutive vertical   | DEK 5 <b>047356</b> -   |
| WS           | Blank                  | WS 12/5 <b>160986</b> - |
| WS           | Printed                | WS 12/5 <b>144746</b> - |

|         |        |   |
|---------|--------|---|
| DEK 5   | 047346 | - |
| DEK 5   | 047356 | - |
| WS 12/5 | 160986 | - |
| WS 12/5 | 144746 | - |

|         |        |   |
|---------|--------|---|
| DEK 6   | 046866 | - |
| DEK 6   | 046876 | - |
| WS 12/6 | 160990 | - |
| WS 12/6 | 144766 | - |

|           |        |   |
|-----------|--------|---|
| DEK 8     | 127696 | - |
| DEK 8     | 128966 | - |
| WS 12/6,5 | 160992 | - |
| WS 12/6,5 | 156895 | - |

|           |        |   |
|-----------|--------|---|
| DEK 8     | 127696 | - |
| DEK 8     | 128966 | - |
| WS 12/6,5 | 160992 | - |
| WS 12/6,5 | 156895 | - |

For further accessories see section 3, further marking material see section 8

1) Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310



### Three-way terminal blocks for N-busbar 10 x 3

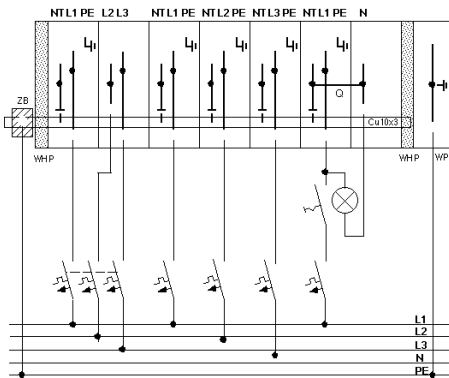
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. The WDL three-way terminal block meets these requirements. Circuits can be connected on three levels across a width of only 6 mm in a clear and space-saving manner. Two independent terminal strips with disconnect elements and a cross-connection system of the N conductor are available:

#### WDL 2.5/S...

N cross-connection with the proven 10 x 3 mm busbar system up to 140 A. The busbar is fed by a separate clamping yoke (ZB 4-ZB 16) or an N disconnect terminal of the WNT series.

#### WDL 2.5/S/L/L

Three-phase circuits can be implemented by combining three-way terminals (L 1, N, PE) and WDL 2.5/(S/)L/L two-way terminals (L 2, L 3).



### Terminals/accessories

|  |                         |
|--|-------------------------|
| Max. Technical Data  |                         |
| <b>Dimensions</b>  |                         |
| Width/length/height (mm)                                     | With TS 35 x 7,5        |
| Insulation stripping length/clamping screw/screwdriver blade |                         |
| <b>Rated data</b>  |                         |
| Rated voltage/rated current/rated cross-section              |                         |
| Rated voltage/impulse voltage/pollution severity             |                         |
| <b>Further technical data</b>                                |                         |
| Tightening torque range                                      | Nm                      |
| Torque setting with DMS2 electric screwdriver                |                         |
| <b>Clampable conductor</b>                                   |                         |
| solid H07V-U   | mm <sup>2</sup>         |
| stranded H07V-R  | mm <sup>2</sup>         |
| flexible H07V-K  | mm <sup>2</sup>         |
| flexible H07V-K and AEH DIN 46 228/1                         | mm <sup>2</sup>         |
| flexible H07V-K and AEH with plastic insul. collar           | mm <sup>2</sup>         |
| Max. Clamping Range in mm <sup>2</sup>                       | Gauge pin to 947-1 Size |
| Continuous current rating of cross-connection Q multipole    | A                       |

|                                    |     |
|------------------------------------|-----|
| <b>UL / CSA rated data</b>         |     |
| Voltage / current / conductor size | UL  |
| Voltage / current / conductor size | CSA |
| <b>Ordering data</b>               |     |
| <b>Version</b>                     |     |
| for TS 35 / Wemid                  |     |

#### End plate



#### Support plate



#### Small partition for Q

#### Cross-connection (L/N/NT)



#### Busbar 10 x 3

|   |                                  |
|---|----------------------------------|
| Topface busbar till topface TS 35 = 25,5 mm |                                  |
| Cu 140 A                                    | SSch 10 x 3 Cu <b>034890</b> 1 m |
| Ms 100 A                                    | SSch 10 x 3 Ms <b>025980</b> 1 m |

#### Clamping yoke



#### Neutral (N) disconnect terminals

as supply terminals

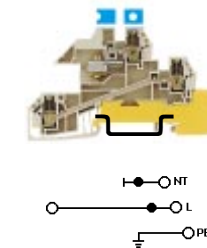
#### End bracket

#### Marking tags

|     |                        |       |               |     |
|-----|------------------------|-------|---------------|-----|
| DEK | Consecutive horizontal | DEK 6 | <b>046866</b> | 500 |
| DEK | Consecutive vertical   | DEK 6 | <b>046876</b> | 500 |

For further accessories see section 3, further marking material see section 8

### WDL 2.5/S/NT/L/PE



|                        |
|------------------------|
| 32 A/4 mm <sup>2</sup> |
| 6/84,5/48,7            |
| 8 mm/M 2,5/3,5 x 0,6   |

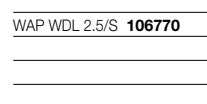
|                                    |
|------------------------------------|
| <b>VDE 0611 Part 4</b>             |
| 250V/400V/24 A/2,5 mm <sup>2</sup> |
| 250V/400 V/4 kV/3                  |

|           |    |
|-----------|----|
| 0,4...0,7 | Nm |
| 1         |    |

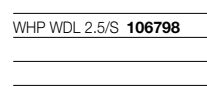
|   |                         |
|---|-------------------------|
| solid H07V-U  | mm <sup>2</sup>         |
| stranded H07V-R   | mm <sup>2</sup>         |
| flexible H07V-K   | mm <sup>2</sup>         |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup>         |
| flexible H07V-K and AEH with plastic insul. collar        | mm <sup>2</sup>         |
| Max. Clamping Range in mm <sup>2</sup>                    | Gauge pin to 947-1 Size |
| Continuous current rating of cross-connection Q multipole | A                       |

|                                    |     |
|------------------------------------|-----|
| <b>UL / CSA rated data</b>         |     |
| Voltage / current / conductor size | UL  |
| Voltage / current / conductor size | CSA |
| <b>Ordering data</b>               |     |
| <b>Version</b>                     |     |
| for TS 35 / Wemid                  |     |

#### End plate

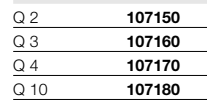


#### Support plate



#### Small partition for Q

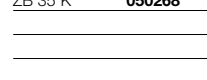
#### Cross-connection (L/N/NT)



#### Busbar 10 x 3

|   |                                  |
|---|----------------------------------|
| Topface busbar till topface TS 35 = 25,5 mm |                                  |
| Cu 140 A                                    | SSch 10 x 3 Cu <b>034890</b> 1 m |
| Ms 100 A                                    | SSch 10 x 3 Ms <b>025980</b> 1 m |

#### Clamping yoke



#### Neutral (N) disconnect terminals

as supply terminals

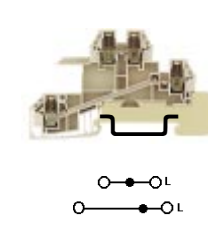
#### End bracket

#### Marking tags

|     |                        |       |               |     |
|-----|------------------------|-------|---------------|-----|
| DEK | Consecutive horizontal | DEK 6 | <b>046866</b> | 500 |
| DEK | Consecutive vertical   | DEK 6 | <b>046876</b> | 500 |

For further accessories see section 3, further marking material see section 8

### WDL 2.5/S/L/L



|                        |
|------------------------|
| 32 A/4 mm <sup>2</sup> |
| 6/84,5/48,7            |
| 8 mm/M 2,5/3,5 x 0,6   |

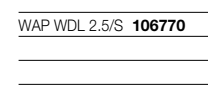
|                                |
|--------------------------------|
| <b>IEC 947-7-1</b>             |
| 400 V/24 A/2,5 mm <sup>2</sup> |
| 400 V/6 kV/3                   |

|           |    |
|-----------|----|
| 0,4...0,7 | Nm |
| 1         |    |

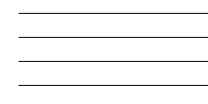
|   |                         |
|---|-------------------------|
| solid H07V-U  | mm <sup>2</sup>         |
| stranded H07V-R   | mm <sup>2</sup>         |
| flexible H07V-K   | mm <sup>2</sup>         |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup>         |
| flexible H07V-K and AEH with plastic insul. collar        | mm <sup>2</sup>         |
| Max. Clamping Range in mm <sup>2</sup>                    | Gauge pin to 947-1 Size |
| Continuous current rating of cross-connection Q multipole | A                       |

|                                    |     |
|------------------------------------|-----|
| <b>UL / CSA rated data</b>         |     |
| Voltage / current / conductor size | UL  |
| Voltage / current / conductor size | CSA |
| <b>Ordering data</b>               |     |
| <b>Version</b>                     |     |
| for TS 35 / Wemid                  |     |

#### End plate

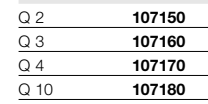


#### Support plate



#### Small partition for Q

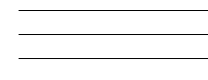
#### Cross-connection (L/N/NT)



#### Busbar 10 x 3

|   |                                  |
|---|----------------------------------|
| Topface busbar till topface TS 35 = 25,5 mm |                                  |
| Cu 140 A                                    | SSch 10 x 3 Cu <b>034890</b> 1 m |
| Ms 100 A                                    | SSch 10 x 3 Ms <b>025980</b> 1 m |

#### Clamping yoke



#### Neutral (N) disconnect terminals

as supply terminals

#### End bracket

#### Marking tags

|     |                        |       |               |     |
|-----|------------------------|-------|---------------|-----|
| DEK | Consecutive horizontal | DEK 6 | <b>046866</b> | 500 |
| DEK | Consecutive vertical   | DEK 6 | <b>046876</b> | 500 |

For further accessories see section 3, further marking material see section 8

**WDL 2.5/S-Blöcke**  
for one three-phase circuit  
for three AC circuits



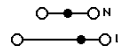
**WDL 2.5/S/N**



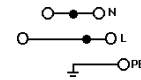
**WDL 2.5/S/L**



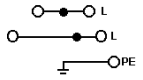
**WDL 2.5/S/  
N/L**









**WDL 2.5/S/  
N/L/PE**



**WDL 2.5/S/  
L/L/PE**



| WDL 2.5/S-Blöcke  |                   | WDL 2.5/S/N   |                   | WDL 2.5/S/L   |                   | WDL 2.5/S/<br>N/L   |                   | WDL 2.5/S/<br>N/L/PE  |                   | WDL 2.5/S/<br>L/L/PE  |                   |
|---|-------------------|---|-------------------|---|-------------------|---|-------------------|---|-------------------|---|-------------------|
| 32 A/4 mm <sup>2</sup>  |                   | 32 A/4 mm <sup>2</sup>  |                   | 32 A/4 mm <sup>2</sup>  |                   | 32 A/4 mm <sup>2</sup>  |                   | 32 A/4 mm <sup>2</sup>  |                   | 32 A/4 mm <sup>2</sup>  |                   |
| 12/18/84,5/48,7   |                   | 6/84,5/48,7   |                   | 6/84,5/48,7   |                   | 6/84,5/48,7   |                   | 6/84,5/48,7   |                   | 6/84,5/48,7   |                   |
| 8 mm/M 2,5/3,5 x 0,6  |                   | 8 mm/M 2,5/3,5 x 0,6  |                   | 8 mm/M 2,5/3,5 x 0,6  |                   | 8 mm/M 2,5/3,5 x 0,6  |                   | 8 mm/M 2,5/3,5 x 0,6  |                   | 8 mm/M 2,5/3,5 x 0,6  |                   |
| 250V/400V/24 A/2,5 mm <sup>2</sup>  |                   | <b>IEC 947-7-1</b><br>400 V/24 A/2,5 mm <sup>2</sup>  |                   | <b>IEC 947-7-1</b><br>400 V/24 A/2,5 mm <sup>2</sup>  |                   | <b>IEC 947-7-1</b><br>400 V/24 A/2,5 mm <sup>2</sup>  |                   | 250V/400V/24 A/2,5 mm <sup>2</sup>  |                   | 250V/400V/24 A/2,5 mm <sup>2</sup>  |                   |
| 250V/400V/4 kV/3  |                   | 400 V/6 kV/3  |                   | 400 V/6 kV/3  |                   | 400 V/6 kV/3  |                   | 250V/400 V/4 kV/3   |                   | 250V/400 V/4 kV/3   |                   |
| 0,4...0,7   |                   | 0,4...0,7   |                   | 0,4...0,7   |                   | 0,4...0,7   |                   | 0,4...0,7   |                   | 0,4...0,7   |                   |
| 1   |                   | 1   |                   | 1   |                   | 1   |                   | 1   |                   | 1   |                   |
| 0,5...4   |                   | 0,5...4   |                   | 0,5...4   |                   | 0,5...4   |                   | 0,5...4   |                   | 0,5...4   |                   |
| 1,5...4   |                   | 1,5...4   |                   | 1,5...4   |                   | 1,5...4   |                   | 1,5...4   |                   | 1,5...4   |                   |
| 0,5...4   |                   | 0,5...4   |                   | 0,5...4   |                   | 0,5...4   |                   | 0,5...4   |                   | 0,5...4   |                   |
| 0,25...4  |                   | 0,25...4  |                   | 0,25...4  |                   | 0,25...4  |                   | 0,25...4  |                   | 0,25...4  |                   |
| 0,25...4  |                   | 0,25...4  |                   | 0,25...4  |                   | 0,25...4  |                   | 0,25...4  |                   | 0,25...4  |                   |
| 0,13...4  |                   | 0,13...4  |                   | 0,13...4  |                   | 0,13...4  |                   | 0,13...4  |                   | 0,13...4  |                   |
| A 3   |                   | A 3   |                   | A 3   |                   | A 3   |                   | A 3   |                   | A 3   |                   |
| 24  |                   | 24  |                   | 24  |                   | 24  |                   | 24  |                   | 24  |                   |
| 300 V/15 A/22...12 AWG  |                   | 300 V/15 A/22...12 AWG  |                   | 300 V/15 A/22...12 AWG  |                   | 300 V/15 A/22...12 AWG  |                   | 300 V/15 A/22...12 AWG  |                   | 300 V/15 A/22...12 AWG  |                   |
| 300 V/10 A/26...12 AWG  |                   | 300 V/10 A/26...12 AWG  |                   | 300 V/10 A/26...12 AWG  |                   | 300 V/10 A/26...12 AWG  |                   | 300 V/10 A/26...12 AWG  |                   | 300 V/10 A/26...12 AWG  |                   |
|  Cat. No. Qty.<br><b>103410</b> 25 |                   |  Cat. No. Qty.<br><b>103090</b> 50 |                   |  Cat. No. Qty.<br><b>103130</b> 50 |                   |  Cat. No. Qty.<br><b>103080</b> 50 |                   |  Cat. No. Qty.<br><b>103070</b> 50 |                   |  Cat. No. Qty.<br><b>103110</b> 50 |                   |
| Block of each <b>103060 + 103120</b>  |                   | (NT-Connection coded blue)  |                   |   |                   | (NT-Connection coded blue)  |                   | (NT-Connection coded blue)  |                   | (NT-Connection coded blue)  |                   |
| Block of three <b>103060</b>  |                   |   |                   |   |                   |   |                   |   |                   |   |                   |
| Type  | Cat. No. Qty.     | Type  | Cat. No. Qty.     | Type  | Cat. No. Qty.     | Type  | Cat. No. Qty.     | Type  | Cat. No. Qty.     | Type  | Cat. No. Qty.     |
| WAP WDL 2.5/S   | <b>106770</b> 20  | WAP WDL 2.5/S   | <b>106770</b> 20  | WAP WDL 2.5/S   | <b>106770</b> 20  | WAP WDL 2.5/S   | <b>106770</b> 20  | WAP WDL 2.5/S   | <b>106770</b> 20  | WAP WDL 2.5/S   | <b>106770</b> 20  |
| WHP WDL 2.5/S   | <b>106798</b> 20  |   |                   |   |                   |   |                   |   |                   |   |                   |
| TSch 1  | <b>031916</b> 100 | TSch 1  | <b>031916</b> 100 | TSch 1  | <b>031916</b> 100 | TSch 1  | <b>031916</b> 100 | TSch 1  | <b>031916</b> 100 | TSch 1  | <b>031916</b> 100 |
| Q 2   | <b>107150</b> 50  | Q 2   | <b>107150</b> 50  | Q 2   | <b>107150</b> 50  | Q 2   | <b>107150</b> 50  | Q 2   | <b>107150</b> 50  | Q 2   | <b>107150</b> 50  |
| Q 3   | <b>107160</b> 50  | Q 3   | <b>107160</b> 50  | Q 3   | <b>107160</b> 50  | Q 3   | <b>107160</b> 50  | Q 3   | <b>107160</b> 50  | Q 3   | <b>107160</b> 50  |
| Q 4   | <b>107170</b> 50  | Q 4   | <b>107170</b> 50  | Q 4   | <b>107170</b> 50  | Q 4   | <b>107170</b> 50  | Q 4   | <b>107170</b> 50  | Q 4   | <b>107170</b> 50  |
| Q 10  | <b>107180</b> 20  | Q 10  | <b>107180</b> 20  | Q 10  | <b>107180</b> 20  | Q 10  | <b>107180</b> 20  | Q 10  | <b>107180</b> 20  | Q 10  | <b>107180</b> 20  |
| Q 20  | <b>107420</b> 20  | Q 20  | <b>107420</b> 20  | Q 20  | <b>107420</b> 20  | Q 20  | <b>107420</b> 20  | Q 20  | <b>107420</b> 20  | Q 20  | <b>107420</b> 20  |
| SSch 10 x 3 Cu  | <b>034890</b> 1 m |   |                   |   |                   |   |                   |   |                   |   |                   |
| SSch 10 x 3 Ms  | <b>025980</b> 1 m |   |                   |   |                   |   |                   |   |                   |   |                   |
| ZB 35 K   | <b>050268</b> 50  |   |                   |   |                   |   |                   |   |                   |   |                   |
| WNT 10  | <b>101098</b> 50  |   |                   |   |                   |   |                   |   |                   |   |                   |
| WNT 16 N  | <b>101900</b> 50  |   |                   |   |                   |   |                   |   |                   |   |                   |
| WNT 70 N  | <b>951221</b> 10  |   |                   |   |                   |   |                   |   |                   |   |                   |
| WEW 35 / 2  | <b>106120</b> 50  | WEW 35 / 2  | <b>106120</b> 50  | WEW 35 / 2  | <b>106120</b> 50  | WEW 35 / 2  | <b>106120</b> 50  | WEW 35 / 2  | <b>106120</b> 50  | WEW 35 / 2  | <b>106120</b> 50  |
| DEK 6   | <b>046866</b> 500 | DEK 6   | <b>046866</b> 500 | DEK 6   | <b>046866</b> 500 | DEK 6   | <b>046866</b> 500 | DEK 6   | <b>046866</b> 500 | DEK 6   | <b>046866</b> 500 |
| DEK 6   | <b>046876</b> 500 | DEK 6   | <b>046876</b> 500 | DEK 6   | <b>046876</b> 500 | DEK 6   | <b>046876</b> 500 | DEK 6   | <b>046876</b> 500 | DEK 6   | <b>046876</b> 500 |

### Three-way terminal blocks with N-cross-connection WQV

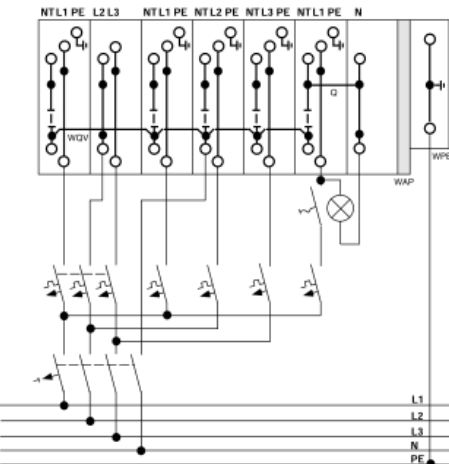
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. The WDL three-way terminal block meets these requirements. Circuits can be connected on three levels across a width of only 6 mm in a clear and space-saving manner. Two independent terminal strips with disconnect elements and a cross-connection system of the N conductor are available:

#### WDL 2.5...

N cross-connection via the WQV 4 cross-connection system from the W series. The supply power is fed directly via a clamping yoke in the terminal.

#### WDL 2.5/L/L

Three-phase circuits can be implemented by combining three-way terminals (L 1, N, PE) and WDL 2.5/L/L two-way terminals (L 2, L 3).



### Terminals/accessories

|   |                         |
|---|-------------------------|
| Max. Technical Data   |                         |
| <b>Dimensions</b>   |                         |
| Width/length/height (mm)                                      | With TS 35 x 7,5        |
| Insulation stripping length/clamping screw/screwdriver blade  |                         |
| <b>Rated data</b>   |                         |
| Rated voltage/rated current/rated cross-section               |                         |
| Rated voltage/impulse voltage/pollution severity              |                         |
| <b>Further technical data</b>                                 |                         |
| Tightening torque range                                       | Nm                      |
| Torque setting with DMS2 electric screwdriver                 |                         |
| <b>Clampable conductor</b>                                    |                         |
| solid H07V-U  | mm <sup>2</sup>         |
| stranded H07V-R   | mm <sup>2</sup>         |
| flexible H07V-K   | mm <sup>2</sup>         |
| flexible H07V-K and AEH DIN 46 228/1                          | mm <sup>2</sup>         |
| flexible H07V-K and AEH with plastic insul. collar            | mm <sup>2</sup>         |
| Max. Clamping Range in mm <sup>2</sup>                        | Gauge pin to 947-1 Size |
| Continuous current rating of cross-connection Q multipole     | A                       |
| Continuous current rating of cross-connection WQV 4 multipole | A                       |
| <b>UL / CSA rated data</b>                                    |                         |
| Voltage / current / conductor size                            | UL                      |
| Voltage / current / conductor size                            | CSA                     |
| <b>Ordering data</b>  | <b>Version</b>          |
|   | for TS 35 / Wemid       |

#### End plate



#### Small partition for Q...



#### Cross-connection (L, NT, N)



#### Cross-connection\* Input (L, NT, N)



#### Notching tool for WQV



#### End bracket

#### Marking tags

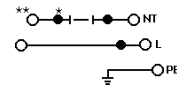


|        | Print                  |
|--------|------------------------|
| DEK    | Consecutive horizontal |
| DEK    | Consecutive vertical   |
| WS     | Blank                  |
| WS DEK | Printed                |

For further accessories see section 3, further marking material see section 8

\* Cross-connection WQV 4  
\*\* Connection 4/6 mm<sup>2</sup> / A4

### WDL 2.5/NT/L/PE



29 A/4 mm<sup>2</sup>

6/90/48,7

8 mm/M 2,5/3\*\*/3,5 x 0,6

#### VDE 0611 Part 4

250V/400V/24 A/2,5/4\*\* mm<sup>2</sup>

250V/400 V/4 kV/3

0,4...0,7

1

0,5...4/6\*\*

1,5...4/6\*\*

0,5...4/6\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,13...4

24

29 (Center supply 40A)

300 V/15 A/22...12 AWG

300 V/10 A/26...12 AWG

Cat. No. Qty.

**102980** 50

(NT-Connection coded blue)

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

Q 2 **107150** 50

Q 3 **107160** 50

Q 4 **107170** 50

Q 10 **107180** 20

Q 20 **107420** 20

WQV 4/2 **105196** 50

WQV 4/3 **105456** 50

WQV 4/4 **105466** 50

WQV 4/10 **105206** 20

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

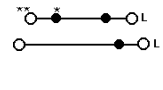
DEK 6 **046866** 500

DEK 6 **046876** 500

WS 8/5 **164074** -

WS 8/5 **158008** -

### WDL 2.5/L/L



31 A/4 mm<sup>2</sup>

6/90/48,7

8 mm/M 2,5/3\*\*/3,5 x 0,6

#### IEC 947-7-1

400 V/24 A/2,5/4\*\* mm<sup>2</sup>

400 V/6 kV/3

0,4...0,7

1

0,5...4/6\*\*

1,5...4/6\*\*

0,5...4/6\*\*

0,5...4/4\*\*

0,5...4/4\*\*

A 3/A 4\*\*

24

31

300 V/15 A/22...12 AWG

300 V/10 A/26...12 AWG

Cat. No. Qty.

**103030** 50

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

Q 2 **107150** 50

Q 3 **107160** 50

Q 4 **107170** 50

Q 10 **107180** 20

Q 20 **107420** 20

WQV 4/2 **105196** 50

WQV 4/3 **105456** 50

WQV 4/4 **105466** 50

WQV 4/10 **105206** 20

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500

DEK 6 **046876** 500

WS 8/5 **164074** -

WS 8/5 **158008** -

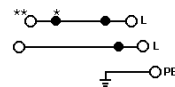
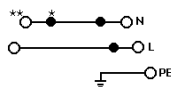
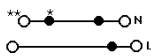
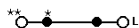
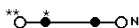
**WDL 2.5/N**

**WDL 2.5/L**

**WDL 2.5/N/L**

**WDL 2.5/N/L/PE**

**WDL 2.5/L/L/PE**



32 A/4 mm<sup>2</sup>

32 A/4 mm<sup>2</sup>

31 A/4 mm<sup>2</sup>

31 A/4 mm<sup>2</sup>

31 A/4 mm<sup>2</sup>

6/90/48,7

6/90/48,7

6/90/48,7

6/90/48,7

6/90/48,7

8 mm/M 2,5/3\*\*/3,5 x 0,6

8 mm/M 2,5/3\*\*/3,5 x 0,6

8 mm/M 2,5/3\*\*/3,5 x 0,6

8 mm/M 2,5/3\*\*/3,5 x 0,6

8 mm/M 2,5/3\*\*/3,5 x 0,6

**IEC 947-7-1**

400 V/24 A/2,5/4\*\* mm<sup>2</sup>  
400 V/6 kV/3

**IEC 947-7-1**

400 V/24 A/2,5/4\*\* mm<sup>2</sup>  
400 V/6 kV/3

**IEC 947-7-1**

400 V/24 A/2,5/4\*\* mm<sup>2</sup>  
400 V/6 kV/3

250V/400V/24 A/2,5/4\*\* mm<sup>2</sup>  
250V/400 V/4 kV/3

250V/400V/24 A/2,5/4\*\* mm<sup>2</sup>  
250V/400 V/4 kV/3

0,4...0,7

0,4...0,7

0,4...0,7

0,4...0,7

0,4...0,7

1

1

1

1

1

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

1,5...4/6\*\*

1,5...4/6\*\*

1,5...4/6\*\*

1,5...4/6\*\*

1,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

A 3/A 4\*\*

A 3/A 4\*\*

A 3/A 4\*\*

A 3/A 4\*\*

A 3/A 4\*\*

24

24

24

24

24

32

32

31

31 (Center supply 40A)

31

300 V/15 A/22...12 AWG

300 V/15 A/22...12 AWG

300 V/15 A/22...12 AWG

300 V/15 A/22...12 AWG

300 V/15 A/22...12 AWG

300 V/10 A/26...12 AWG

300 V/10 A/26...12 AWG

300 V/10 A/26...12 AWG

300 V/10 A/26...12 AWG

300 V/10 A/26...12 AWG

| Type | Cat. No. | Qty. |
|------|----------|------|
|      | 103010   | 50   |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      | 103040   | 50   |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      | 103000   | 50   |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      | 102990   | 50   |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      | 103020   | 50   |

(NT-Connection coded blue)

(NT-Connection coded blue)

(NT-Connection coded blue)

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

WAP WDL 2.5 **106780** 20

WAP WDL 2.5 **106780** 20

WAP WDL 2.5 **106780** 20

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

Q 2 **107150** 50

Q 2 **107150** 50

Q 2 **107150** 50

Q 2 **107150** 50

Q 2 **107150** 50

Q 3 **107160** 50

Q 3 **107160** 50

Q 3 **107160** 50

Q 3 **107160** 50

Q 3 **107160** 50

Q 4 **107170** 50

Q 4 **107170** 50

Q 4 **107170** 50

Q 4 **107170** 50

Q 4 **107170** 50

Q 10 **107180** 20

Q 10 **107180** 20

Q 10 **107180** 20

Q 10 **107180** 20

Q 10 **107180** 20

Q 20 **107420** 20

Q 20 **107420** 20

Q 20 **107420** 20

Q 20 **107420** 20

Q 20 **107420** 20

WQV 4/2 **105196** 50

WQV 4/2 **105196** 50

WQV 4/2 **105196** 50

WQV 4/2 **105196** 50

WQV 4/2 **105196** 50

WQV 4/3 **105456** 50

WQV 4/3 **105456** 50

WQV 4/3 **105456** 50

WQV 4/3 **105456** 50

WQV 4/3 **105456** 50

WQV 4/4 **105466** 50

WQV 4/4 **105466** 50

WQV 4/4 **105466** 50

WQV 4/4 **105466** 50

WQV 4/4 **105466** 50

WQV 4/10 **105206** 20

WQV 4/10 **105206** 20

WQV 4/10 **105206** 20

WQV 4/10 **105206** 20

WQV 4/10 **105206** 20

WAW 1 **900450** 1

WAW 1 **900450** 1

WAW 1 **900450** 1

WAW 1 **900450** 1

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500

DEK 6 **046866** 500

DEK 6 **046866** 500

DEK 6 **046866** 500

DEK 6 **046866** 500

DEK 6 **046876** 500

DEK 6 **046876** 500

DEK 6 **046876** 500

DEK 6 **046876** 500

DEK 6 **046876** 500

WS 8/5 **164074** -

WS 8/5 **164074** -

WS 8/5 **164074** -

WS 8/5 **164074** -

WS 8/5 **164074** -

WS 8/5 **158008** -

WS 8/5 **158008** -

WS 8/5 **158008** -

WS 8/5 **158008** -

WS 8/5 **158008** -

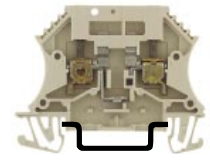
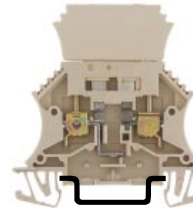
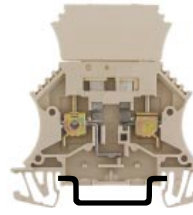
## Disconnect test terminal blocks

## WTR 2.5

## WTR 2.5 D with diode plug

## WTR 2.5 D with StB with diode plug and 2.3 socket

## WTR 2.5 without disconnecter



### Max. Technical Data

| Dimensions   |                 |
|--|-----------------|
| Width/length/height (mm)                                     | mit TS 35 x 7,5 |
| Insulation stripping length/clamping screw/screwdriver blade |                 |
| Rated data   |                 |
| Rated voltage/rated current/rated cross-section              |                 |
| Rated impulse voltage VDE 0110/1.89 / pollution severity     |                 |

### Further technical data

|   |    |
|---|----|
| Tightening torque range                       | Nm |
| Torque setting with DMS2 electric screwdriver |    |

### Clampable conductor

|   |                    |      |
|---|--------------------|------|
| solid H07V-U  | mm <sup>2</sup>    |      |
| stranded H07V-R   | mm <sup>2</sup>    |      |
| flexible H07V-K   | mm <sup>2</sup>    |      |
| flexible H07V-K and AEH DIN 46 228/1                    | mm <sup>2</sup>    |      |
| flexible H07V-K and AEH with plastic insul. collar      | mm <sup>2</sup>    |      |
| Max. Clamping Range in mm <sup>2</sup>                  | Gauge pin to 947-1 | Size |
| Continuous current rating of cross-connection 2-pole    | A                  |      |
| Continuous current rating of cross-connection multipole | A                  |      |

### UL / CSA rated data

|                                    |     |
|------------------------------------|-----|
| Voltage / current / conductor size | UL  |
| Voltage / current / conductor size | CSA |

### Ordering data

#### Version

|            |             |               |     |
|------------|-------------|---------------|-----|
| Wemid      | no StB      | <b>101110</b> | 100 |
| Wemid      | 2 StB 2.3** | <b>101120</b> | 100 |
| Blue Wemid | no StB      | <b>101118</b> | 100 |
| Blue Wemid | 2 StB 2.3** | <b>101128</b> | 100 |
| Wemid      | 2 StB 2.0** | <b>101300</b> | 100 |
| Orange PA  |             | <b>101116</b> | 100 |

|                                 |     |
|---------------------------------|-----|
| 16 A/1,5 mm <sup>2</sup>        |     |
| 5/60/49                         |     |
| 10 mm/M 2,5/3**/3,5 x 0,6       |     |
| 800 V/16* A/2,5 mm <sup>2</sup> |     |
| 8 kV/3                          |     |
| 0,4...0,8/0,5...1,0**           |     |
| 1/2**                           |     |
| 0,5...4                         |     |
| 1,5...4                         |     |
| 0,5...2,5                       |     |
| 0,5...2,5                       |     |
| 0,5...2,5                       |     |
| 0,5...2,5 <sup>1)</sup>         |     |
| 0,13...4                        | A 3 |
| 26                              |     |
| 300 V/10 A/22...12 AWG          |     |
| 300 V/10 A/26...12 AWG          |     |

|                                 |     |
|---------------------------------|-----|
| 16 A/1,5 mm <sup>2</sup>        |     |
| 5/60/49 + 18 für WSD            |     |
| 10 mm/M 2,5/3,5 x 0,6           |     |
| 500 V/16* A/2,5 mm <sup>2</sup> |     |
| 6 kV/3                          |     |
| 0,4...0,8                       |     |
| 1                               |     |
| 0,5...4                         |     |
| 1,5...4                         |     |
| 0,5...2,5                       |     |
| 0,5...2,5                       |     |
| 0,5...2,5                       |     |
| 0,5...2,5 <sup>1)</sup>         |     |
| 0,13...4                        | A 3 |
| 26                              |     |
| 300 V/10 A/22...12 AWG          |     |
| 300 V/10 A/26...12 AWG          |     |

|                                 |     |
|---------------------------------|-----|
| 16 A/1,5 mm <sup>2</sup>        |     |
| 5/60/49 + 18 für WSD            |     |
| 10 mm/M 3/3,5 x 0,6             |     |
| 500 V/16* A/2,5 mm <sup>2</sup> |     |
| 6 kV/3                          |     |
| 0,5...1,0                       |     |
| 2                               |     |
| 0,5...4                         |     |
| 1,5...4                         |     |
| 0,5...2,5                       |     |
| 0,5...2,5                       |     |
| 0,5...2,5 <sup>1)</sup>         |     |
| 0,13...4                        | A 3 |
| 26                              |     |
| 300 V/10 A/22...12 AWG          |     |
| 300 V/10 A/26...12 AWG          |     |

|                                 |     |
|---------------------------------|-----|
| 16 A/1,5 mm <sup>2</sup>        |     |
| 5/60/49                         |     |
| 10 mm/M 2,5/3**/3,5 x 0,6       |     |
| 800 V/16* A/2,5 mm <sup>2</sup> |     |
| 8 kV/3                          |     |
| 0,4...0,8/0,5...1,0**           |     |
| 1/2**                           |     |
| 0,5...4                         |     |
| 1,5...4                         |     |
| 0,5...2,5                       |     |
| 0,5...2,5                       |     |
| 0,5...2,5 <sup>1)</sup>         |     |
| 0,13...4                        | A 3 |
| 26                              |     |
| 300 V/10 A/22...12 AWG          |     |
| 300 V/10 A/26...12 AWG          |     |

### End plate / partition

|                        |       |  |
|------------------------|-------|--|
| WAP (Thickness 1,5 mm) | Wemid |  |
| Wemid                  |       |  |
| Blue Wemid             |       |  |
| WAP                    | Wemid |  |

### Cross-connection

|                                       |  |
|---------------------------------------|--|
| QL 2-10                               |  |
| VQB                                   |  |
| PS                                    |  |
| Cross-connection plug (2-pole, ø 2,3) |  |

### Notching tool

To notch the punch-out in the terminal moulding for cross-connections

### Screwdriver

|              |  |
|--------------|--|
| SDIK         |  |
| SDIK für StB |  |

### Diode plug (spare)

|                            |  |
|----------------------------|--|
| With wire link             |  |
| Without special components |  |

### Marking tags

|        |                        |
|--------|------------------------|
| DEK    | Consecutive horizontal |
| DEK    | Consecutive vertical   |
| WS     | Blank                  |
| WS DEK | Printed                |

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310

### Type

|               |               |    |
|---------------|---------------|----|
| WAP 2.5-10    | <b>105000</b> | 50 |
| WAP 2.5-10 BL | <b>105008</b> | 50 |

### WTW 2.5-10

|               |    |
|---------------|----|
| <b>105010</b> | 20 |
|---------------|----|

|                |               |     |
|----------------|---------------|-----|
| QL 2           | <b>021580</b> | 100 |
| QL 3           | <b>021590</b> | 100 |
| QL 4           | <b>021600</b> | 50  |
| QL 10          | <b>033800</b> | 20  |
| BS-M 2,5x4,5   | <b>106270</b> | 100 |
| PS 2.3 (ø 2,3) | <b>018040</b> | 20  |
| PS 2.0 (ø 2,0) | <b>029380</b> | 20  |
| WDS 2          | <b>106990</b> | 20  |

### WQB B/24

|               |    |
|---------------|----|
| <b>157906</b> | 20 |
|---------------|----|

### WAW 2

|               |   |
|---------------|---|
| <b>900451</b> | - |
|---------------|---|

### SDIK für StB

|               |  |
|---------------|--|
| <b>902493</b> |  |
|---------------|--|

|         |               |    |
|---------|---------------|----|
| WSD 2.5 | <b>105846</b> | 25 |
| WSD 2.5 | <b>105856</b> | 25 |
| WSD 2.5 | <b>105866</b> | 25 |
| WSD 2.5 | <b>105876</b> | 25 |

### Type

|               |               |    |
|---------------|---------------|----|
| WAP 2.5-10    | <b>105000</b> | 50 |
| WAP 2.5-10 BL | <b>105008</b> | 50 |

### WTW 2.5-10

|               |    |
|---------------|----|
| <b>105010</b> | 20 |
|---------------|----|

|                |               |     |
|----------------|---------------|-----|
| QL 2           | <b>021580</b> | 100 |
| QL 3           | <b>021590</b> | 100 |
| QL 4           | <b>021600</b> | 50  |
| QL 10          | <b>033800</b> | 20  |
| BS-M 2,5x4,5   | <b>106270</b> | 100 |
| PS 2.3 (ø 2,3) | <b>018040</b> | 20  |
| PS 2.0 (ø 2,0) | <b>029380</b> | 20  |

### WQB B/24

|               |    |
|---------------|----|
| <b>157906</b> | 20 |
|---------------|----|

### WAW 2

|               |   |
|---------------|---|
| <b>900451</b> | - |
|---------------|---|

### SDIK für StB

|               |  |
|---------------|--|
| <b>902493</b> |  |
|---------------|--|

|         |               |    |
|---------|---------------|----|
| WSD 2.5 | <b>105846</b> | 25 |
| WSD 2.5 | <b>105856</b> | 25 |
| WSD 2.5 | <b>105866</b> | 25 |
| WSD 2.5 | <b>105876</b> | 25 |

### Type

|               |               |    |
|---------------|---------------|----|
| WAP 2.5-10    | <b>105000</b> | 50 |
| WAP 2.5-10 BL | <b>105008</b> | 50 |

### WTW 2.5-10

|               |    |
|---------------|----|
| <b>105010</b> | 20 |
|---------------|----|

|                |               |     |
|----------------|---------------|-----|
| QL 2           | <b>021580</b> | 100 |
| QL 3           | <b>021590</b> | 100 |
| QL 4           | <b>021600</b> | 50  |
| QL 10          | <b>033800</b> | 20  |
| BS-M 2,5x4,5   | <b>106270</b> | 100 |
| PS 2.3 (ø 2,3) | <b>018040</b> | 20  |
| PS 2.0 (ø 2,0) | <b>029380</b> | 20  |

### WQB B/24

|               |    |
|---------------|----|
| <b>157906</b> | 20 |
|---------------|----|

### WAW 2

|               |   |
|---------------|---|
| <b>900451</b> | - |
|---------------|---|

### SDIK für StB

|               |  |
|---------------|--|
| <b>902493</b> |  |
|---------------|--|

|         |               |    |
|---------|---------------|----|
| WSD 2.5 | <b>105846</b> | 25 |
| WSD 2.5 | <b>105856</b> | 25 |
| WSD 2.5 | <b>105866</b> | 25 |
| WSD 2.5 | <b>105876</b> | 25 |

### Type

|               |               |    |
|---------------|---------------|----|
| WAP 2.5-10    | <b>105000</b> | 50 |
| WAP 2.5-10 BL | <b>105008</b> | 50 |

### WTW 2.5-10

|               |    |
|---------------|----|
| <b>105010</b> | 20 |
|---------------|----|

|                |               |     |
|----------------|---------------|-----|
| QL 2           | <b>021580</b> | 100 |
| QL 3           | <b>021590</b> | 100 |
| QL 4           | <b>021600</b> | 50  |
| QL 10          | <b>033800</b> | 20  |
| BS-M 2,5x4,5   | <b>106270</b> | 100 |
| PS 2.3 (ø 2,3) | <b>018040</b> | 20  |
| PS 2.0 (ø 2,0) | <b>029380</b> | 20  |

### WQB B/24

|               |    |
|---------------|----|
| <b>157906</b> | 20 |
|---------------|----|

### WAW 2

|               |   |
|---------------|---|
| <b>900451</b> | - |
|---------------|---|

### SDIK für StB

|               |  |
|---------------|--|
| <b>902493</b> |  |
|---------------|--|

|         |               |    |
|---------|---------------|----|
| WSD 2.5 | <b>105846</b> | 25 |
| WSD 2.5 | <b>105856</b> | 25 |
| WSD 2.5 | <b>105866</b> | 25 |
| WSD 2.5 | <b>105876</b> | 25 |

\* Rated current is limited to 1 A when using the diode plug with soldered diode  
\*\* M3 thread for versions with socket (StB)

**WTR 2.5/ZZ**

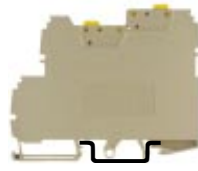
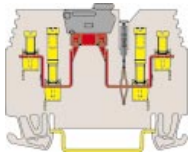
**WDTR 2.5**

**WDTR 2.5/WE**

**WDL 2.5TR-DU-PE**

**WDL 2.5TR-DU**

**SAKC 4/35**



| WTR 2.5/ZZ                      |               | WDTR 2.5                        |               | WDTR 2.5/WE                     |               | WDL 2.5TR-DU-PE                        |               | WDL 2.5TR-DU                       |               | SAKC 4/35                    |               |
|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|--|---------------|------------------------------------|---------------|------------------------------|---------------|
| 14 A/1,5 mm <sup>2</sup>        |               | 10 A/1,5 mm <sup>2</sup>        |               | 10 A/1,5 mm <sup>2</sup>        |               | 29 A/4 mm <sup>2</sup>                 |               | 31 A/4 mm <sup>2</sup>             |               |                              |               |
| 5/60/49                         |               | 6,2/94/69                       |               | 6,2/81/69                       |               | 6/90/48,7                              |               | 6/90/48,7                          |               | 6,5/49,5/42,5/59,5           |               |
| 7 mm/M 3/3,5 x 0,6              |               | 8 mm/M 3/3,5 x 0,6              |               | 8 mm/M 3/3,5 x 0,6              |               | 8 mm/M 2,5/3**/3,5 x 0,6               |               | 8 mm/M 2,5/3**/3,5 x 0,6           |               | 12 mm/M 3/3,5 x 0,6          |               |
| 400 V/14* A/2,5 mm <sup>2</sup> |               | 400 V/13* A/2,5 mm <sup>2</sup> |               | 400 V/10* A/2,5 mm <sup>2</sup> |               | 250V/400V/24 A/2,5/4** mm <sup>2</sup> |               | 400 V/24 A/2,5/4** mm <sup>2</sup> |               | 400 V/25 A/4 mm <sup>2</sup> |               |
| 6 kV/3                          |               | 4 kV/3                          |               | 4 kV/3                          |               | 250V/400 V/4 kV/3                      |               | 400 V/6 kV/3                       |               | 6 kV/3                       |               |
| 0,5...0,6                       |               | 0,5...0,6                       |               | 0,5...0,6                       |               | 0,4...0,7                              |               | 0,4...0,7                          |               | 0,5...1,0/0,5 StB            |               |
| 2                               |               | 2                               |               | 2                               |               | 1                                      |               | 1                                  |               | 2/1                          |               |
| 0,5...4                         |               | 0,5...4                         |               | 0,5...4                         |               | 0,5...4                                |               | 0,5...4                            |               | 0,5...6                      |               |
| 1,5...4                         |               | 1,5...4                         |               | 1,5...4                         |               | 1,5...4                                |               | 1,5...4                            |               | 1,5...4                      |               |
| 0,5...2,5                       |               | 0,5...2,5                       |               | 0,5...2,5                       |               | 0,5...4                                |               | 0,5...4                            |               | 0,5...4                      |               |
| 0,5...2,5                       |               | 0,5...2,5                       |               | 0,5...2,5                       |               | 0,5...4                                |               | 0,5...4                            |               | 0,5...4                      |               |
| 0,5...2,5 <sup>1)</sup>         |               | 0,5...2,5                       |               | 0,5...2,5                       |               | 0,5...4                                |               | 0,5...4                            |               | 0,5...4                      |               |
| 0,13...4                        | A 3           | 0,13...4                        | A 3           | 0,13...4                        | A 3           | 0,13...4                               | A 3           | 0,13...4                           | A 3           |                              | A 4           |
| 24                              |               | 24                              |               | 24                              |               | 20                                     |               | 20                                 |               | 10                           |               |
| 300 V/10 A/22...12 AWG***       |               | 300 V/10 A/22...12 AWG***       |               | 300 V/10 A/22...12 AWG***       |               | 300 V/15 A/22...12 AWG                 |               | 300 V/15 A/22...12 AWG             |               | 300 V/-/22...12 AWG          |               |
| 300 V/10 A/26...12 AWG***       |               | 300 V/10 A/26...12 AWG***       |               | 300 V/10 A/26...12 AWG***       |               | 300 V/10 A/26...12 AWG                 |               | 300 V/10 A/26...12 AWG             |               | 300 V/25 A/22...10 AWG       |               |
| Cat. No. Qty.                   |               | Cat. No. Qty.                   |               | Cat. No. Qty.                   |               | Cat. No. Qty.                          |               | Cat. No. Qty.                      |               | Cat. No. Qty.                |               |
| 2 StB 2,3**                     | 103990 100    | 952807                          | 25            | 952809                          | 25            | 102981                                 | 50            | 102982                             | 50            | KrG                          | 035756 50     |
| 2 StB 2,3**                     | 103998 100    | 952808                          | 25            | 952810                          | 25            |  |               |                                    |               | KrG 2StB 2,3                 | 035766 50     |
| Type                            | Cat. No. Qty. | Type                            | Cat. No. Qty. | Type                            | Cat. No. Qty. | Type                                   | Cat. No. Qty. | Type                               | Cat. No. Qty. | Type                         | Cat. No. Qty. |
| WAP WTR2.5/ZZ                   | 107460 20     |                                 |               |                                 |               | WAP WDL 2.5                            | 106780 20     | WAP WDL 2.5                        | 106780 20     | AP                           | 017760 20     |
| WAP WTR2.5/ZZ                   | 107468 20     |                                 |               |                                 |               |  |               |                                    |               | TW(1.5)                      | 013016 20     |
|                                 |               |                                 |               |                                 |               |  |               |                                    |               | TW(1.0)                      | 029710 20     |
| ZQV 2.5/2                       | 160886 60     | QVB 1.5/50 BL                   | 163328 5      | QVB 1.5/50 BL                   | 163328 5      | Q 2                                    | 107150 50     | Q 2                                | 107150 50     | QB 2                         | 048270 100    |
| ZQV 2.5/3                       | 160887 60     | QVB 1.5/50 RT                   | 163329 5      | QVB 1.5/50 RT                   | 163329 5      | Q 3                                    | 107160 50     | Q 3                                | 107160 50     | QB 3                         | 048280 50     |
| ZQV 2.5/4                       | 160888 60     | QVB 1.5/50 SW                   | 163512 5      | QVB 1.5/50 SW                   | 163512 5      | Q 4                                    | 107170 50     | Q 4                                | 107170 50     | QB 4                         | 048290 50     |
| ZQV 2.5/5                       | 160889 20     |                                 |               |                                 |               | Q 10                                   | 107180 20     | Q 10                               | 107180 20     | Q 25 Blank                   | 013400 20     |
| ZQV 2.5/6                       | 160890 20     |                                 |               |                                 |               | Q 20                                   | 107420 20     | Q 20                               | 107420 20     |                              |               |
| ZQV 2.5/7                       | 160891 20     |                                 |               |                                 |               | WQV 4/2                                | 105196 50     | WQV 4/2                            | 105196 50     |                              |               |
| ZQV 2.5/8                       | 160892 20     |                                 |               |                                 |               | WQV 4/3                                | 105456 50     | WQV 4/3                            | 105456 50     |                              |               |
| ZQV 2.5/9                       | 160893 20     |                                 |               |                                 |               | WQV 4/4                                | 105466 50     | WQV 4/4                            | 105466 50     |                              |               |
| ZQV 2.5/10                      | 160894 20     |                                 |               |                                 |               | WQV 4/10                               | 105206 20     | WQV 4/10                           | 105206 20     | PS 2.3 (ø 2,3)               | 018040 20     |
| PS 2.3 (ø 2,3)                  | 018040 20     | PS 2.3 (ø 2,3)                  | 018040 20     | PS 2.3 (ø 2,3)                  | 018040 20     | WAW 1                                  | 900450 1      | WAW 1                              | 900450 1      |                              |               |
| SDIK für StB                    | 902493        | SDIK für StB                    | 902493        | SDIK für StB                    | 902493        |  |               |                                    |               |                              |               |
| WSD 2.5                         | 105846 25     | WSD 2.5                         | 105846 25     | WSD 2.5                         | 105846 25     |  |               |                                    |               |                              |               |
| WSD 2.5                         | 105856 25     | WSD 2.5                         | 105856 25     | WSD 2.5                         | 105856 25     |  |               |                                    |               |                              |               |
| WSD 2.5                         | 105866 25     | WSD 2.5                         | 105866 25     | WSD 2.5                         | 105866 25     |  |               |                                    |               |                              |               |
| WSD 2.5                         | 105876 25     | WSD 2.5                         | 105876 25     | WSD 2.5                         | 105876 25     |  |               |                                    |               |                              |               |
| DEK 5                           | 047346 -      | DEK 6.5                         | 046816 -      | DEK 6.5                         | 046816 -      | DEK 6                                  | 046866 500    | DEK 6                              | 046866 500    | DEK 6,5                      | 046816 -      |
| DEK 5                           | 047356 -      | DEK 6.5                         | 046826 -      | DEK 6.5                         | 046826 -      | DEK 6                                  | 046876 500    | DEK 6                              | 046876 500    | DEK 6,5                      | 046826 -      |
| WS 8/5                          | 164074 -      | WS 12/6                         | 160990 -      | WS 12/6                         | 160990 -      | WS 8/5                                 | 164074 -      | WS 8/5                             | 164074 -      |                              |               |
| WS 8/5                          | 158008 -      | WS 12/6                         | 144766 -      | WS 12/6                         | 144766 -      | WS 8/5                                 | 158008 -      | WS 8/5                             | 158008 -      |                              |               |

\*\*\* applied for

**Disconnect test terminal blocks**

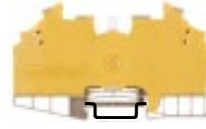
**WDT 1.5/1**  
with space saving TOP-con-  
nection

**WDT 1.5/2**  
with space saving TOP-con-  
nection

**WDT 1.5/3**  
with space saving TOP-con-  
nection



for further technical  
Informationen see Page 2/25



for further technical  
Informationen see Page 2/25



for further technical  
Informationen see Page 2/25

Max. Technical Data

| Dimensions   |                         |                                |                                |                                |                  |
|--|-------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|
| Width/length/height (mm)                                     | mit TS 35 x 7,5         | 6,5/112/67                     | 6,5/112/67                     | 6,5/112/67                     |                  |
| Insulation stripping length/clamping screw/screwdriver blade |                         | 10 mm/M 2,5/3,5 x 0,6          | 10 mm/M 2,5/3,5 x 0,6          | 10 mm/M 2,5/3,5 x 0,6          |                  |
| Rated data   |                         |                                |                                |                                |                  |
| Rated voltage/rated current/rated cross-section              |                         | 250 V/10 A/1,5 mm <sup>2</sup> | 250 V/10 A/1,5 mm <sup>2</sup> | 250 V/10 A/1,5 mm <sup>2</sup> |                  |
| Rated impulse voltage VDE 0110/1.89 / pollution severity     |                         | 4 kV/3                         | 4 kV/3                         | 4 kV/3                         |                  |
| Further technical data                                       |                         |                                |                                |                                |                  |
| Tightening torque range                                      | Nm                      | 0,4...0,8                      | 0,4...0,8                      | 0,4...0,8                      |                  |
| Torque setting with DMS2 electric screwdriver                |                         | 1                              | 1                              | 1                              |                  |
| Clampable conductor  |                         |                                |                                |                                |                  |
| solid H07V-U   | mm <sup>2</sup>         | 0,5...2,5                      | 0,5...2,5                      | 0,5...2,5                      |                  |
| stranded H07V-R  | mm <sup>2</sup>         | 1,5...2,5                      | 1,5...2,5                      | 1,5...2,5                      |                  |
| flexible H07V-K  | mm <sup>2</sup>         | 0,5...1,5                      | 0,5...1,5                      | 0,5...1,5                      |                  |
| flexible H07V-K and AEH DIN 46 228/1                         | mm <sup>2</sup>         | 0,5...1,5                      | 0,5...1,5                      | 0,5...1,5                      |                  |
| flexible H07V-K and AEH with plastic insul. collar           | mm <sup>2</sup>         | 0,5...1,5                      | 0,5...1,5                      | 0,5...1,5                      |                  |
| Max. Clamping Range in mm <sup>2</sup>                       | Gauge pin to 947-1 Size | 0,13...2,5 A 2                 | 0,13...2,5 A 2                 | 0,13...2,5 A 2                 |                  |
| Continuous current rating of cross-connection 2-pole         | A                       |                                |                                |                                |                  |
| Continuous current rating of cross-connection multipole      | A                       |                                |                                |                                |                  |
| UL / CSA rated data  |                         |                                |                                |                                |                  |
| Voltage / current / conductor size                           | UL                      | 150 V/10 A/26...14 AWG         | 150 V/10 A/26...14 AWG         | 150 V/10 A/26...14 AWG         |                  |
| Voltage / current / conductor size                           | CSA                     | 150 V/10 A/26...14 AWG         | 150 V/10 A/26...14 AWG         | 150 V/10 A/26...14 AWG         |                  |
| Ordering data  |                         | Version                        |                                |                                |                  |
|  |                         | Wemid                          |                                |                                |                  |
|  |                         | Blue Wemid                     |                                |                                |                  |
|  |                         | Blue Wemid                     |                                |                                |                  |
|  |                         | Wemid                          |                                |                                |                  |
|  |                         | Dark beige/yellow Wemid        | <b>101580</b>                  | 25                             | <b>101590</b> 25 |
|  |                         | Beige/yellow PA                | <b>101586</b>                  | 25                             | <b>101556</b> 25 |
|  |                         | Blue/hellblau PA               |                                |                                | <b>101600</b> 25 |
|  |                         | Orange PA                      |                                |                                | <b>101576</b> 25 |
|  |                         |                                |                                |                                | <b>101616</b> 25 |

| Test plug |    | Type   | Cat. No.      | Qty. | Type   | Cat. No.      | Qty. | Type   | Cat. No.      | Qty. |
|-----------|----|--------|---------------|------|--------|---------------|------|--------|---------------|------|
|           | PS | PS 2.3 | <b>018040</b> | 20   | PS 2.3 | <b>018040</b> | 20   | PS 2.3 | <b>018040</b> | 20   |

| Marking tags |  | Print                  |         |               |   |
|--------------|--|------------------------|---------|---------------|---|
| DEK          |  | Consecutive horizontal | DEK 6.5 | <b>046816</b> | – |
| DEK          |  | Consecutive vertical   | DEK 6.5 | <b>046826</b> | – |
| WS           |  | Blank                  | WS 8/5  | <b>164074</b> | – |
| WS           |  | Printed                | WS 8/5  | <b>158008</b> | – |
|              |  |                        | DEK 6.5 | <b>046816</b> | – |
|              |  |                        | DEK 6.5 | <b>046826</b> | – |
|              |  |                        | WS 8/5  | <b>164074</b> | – |
|              |  |                        | WS 8/5  | <b>158008</b> | – |

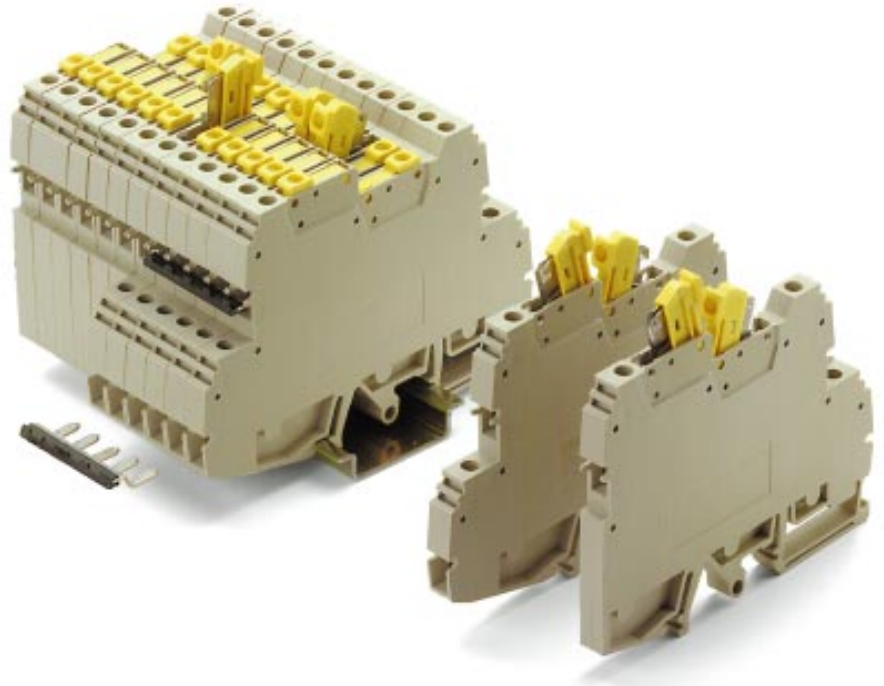
For further accessories see section 3, further marking material see section 8

1) Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310

**WDTR 2.5**  
**WDTR 2.5/WE**  
**Dual disconnect test terminal blocks**  
**W series**

The compact WDTR 2.5 enables the disconnection of one and two pole signal wires.

- 1 space-saving construction, only 6.2 mm wide
- 1 quick and easy cross-connection thanks to clip-on external cross-connections
- 1 reduction in accessories due to dual shell construction
- 1 test point via plug socket
- 1 Top SD operable disconnecter
- 1 identification of disconnection level using raised portion
- 1 continuous temperature of Wemid insulating material 120 °C
- 1 flammability V0 according to UL 94



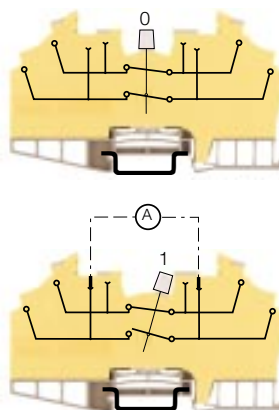
WDTR 2.5 and WDTR 2.5/WE dual disconnect test terminal blocks can be found on page 2/23.

**Switching examples**  
**WDT 1.5/...**  
**Disconnect test terminals**  
**W series**

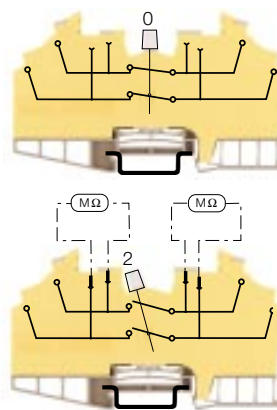
The WDT 1.5 enables the disconnection of one and two pole signal wires. By simply operating the selection switch, insulation and current measurements can be performed.

- 1 quick and reliable conductor connection thanks to TOP connection with open terminal point
- 1 test point via plug socket
- 1 clear colour coding of conductor connection, test point and switch position
- 1 non-symmetrical shape enhances mounting rail orientation
- 1 high distortion stiffness thanks to dual shell enclosed terminal carrier

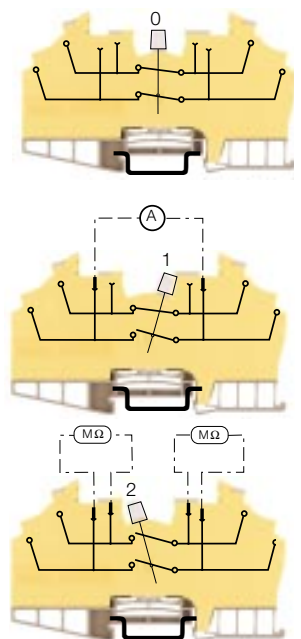
**WDT 1.5/1**  
with space-saving TOP connection



**WDT 1.5/2**  
with space-saving TOP connection

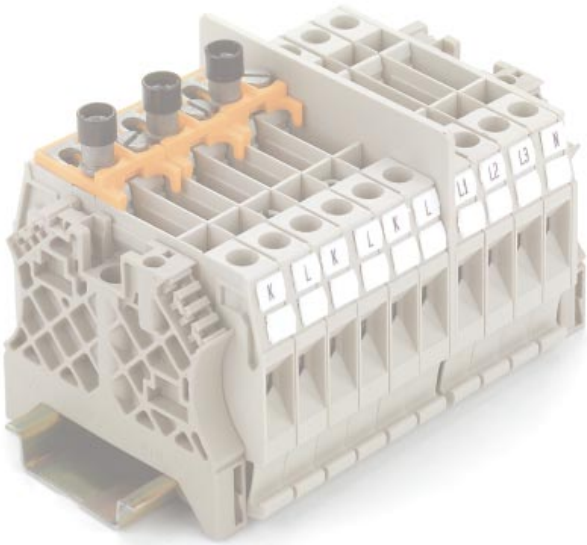


**WDT 1.5/3**  
with space-saving TOP connection



WDT 1.5/... disconnect test terminal blocks can be found on page 2/23.

**Testing - Made easy**  
**WTL 6/1/STB**  
**WTQ 6/1**  
**WTD 6/1**

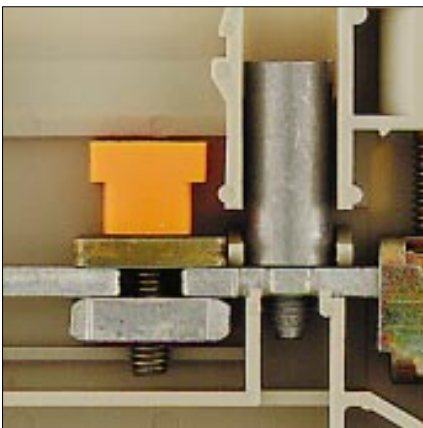


Current transformer circuits must always have closed a secondary current circuit. The same applies to the exchange of information from measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

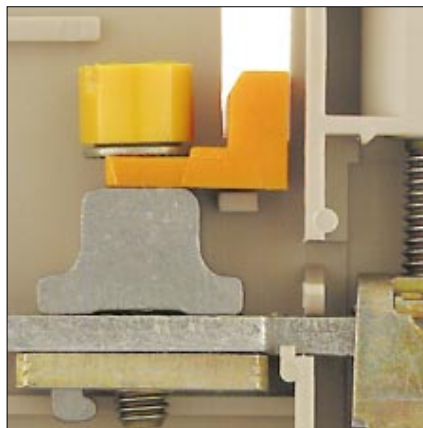
Various easy and cost-effective wiring solutions

can be solved with the lateral disconnect terminals WTL 6/1, the feed-through terminals WTD 6/1 and the cross-disconnect terminals WTQ 6/1, and with the help of the functionally designed accessories.

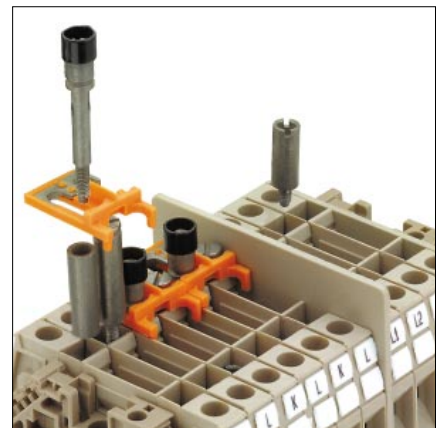
Examples: simple current transformer circuits, transformer test sets, etc.



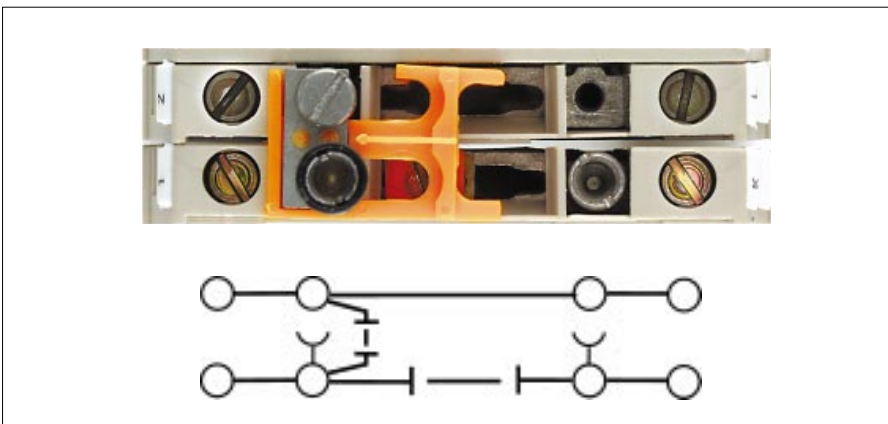
Slide link that are easy to apply



Safe cross-connections



Standard accessories



1 cross-connection slider per terminal



2 DEK-labels per connection point

# The New Generation of Current Transformer Terminals

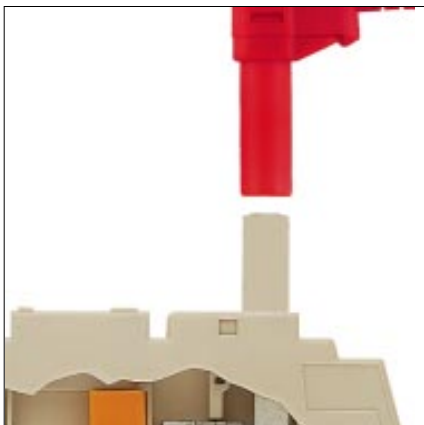
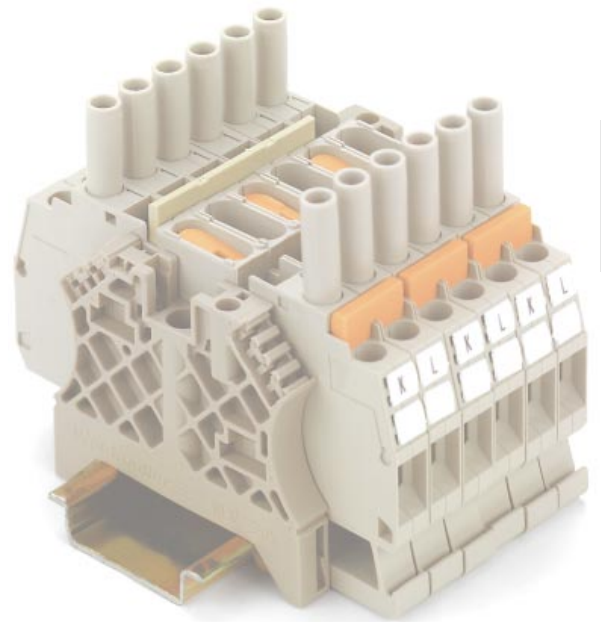
WTL 6/2

WTL 6/3/STB

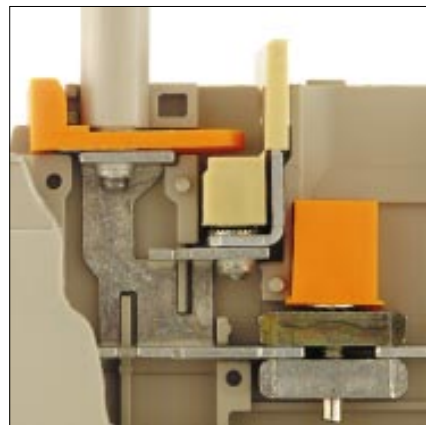
All circuits found in practice can be realised with WTL6/2 terminals (only one basic version) and only a few accessory parts.

The cross-connection sliders are designed to be safe from finger-contact. The installation of two additional cross-connections for the K-point distribution is possible. These are standard cross-connections, WQV 6/..., of the W-series that enable individual terminals to be skipped.

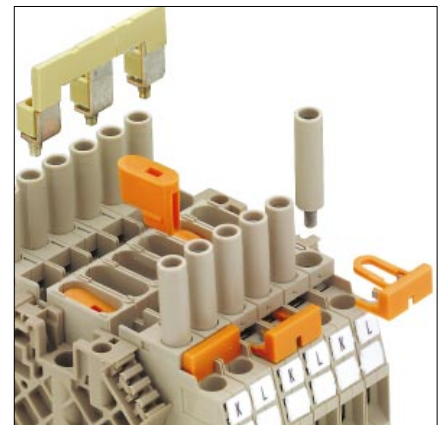
The WTL 6/3 terminal is the safe-handling version of the WTL 6/2 terminal. Due to the specially designed test sockets, either conventional test plugs or commercially available safety test plugs can be used.



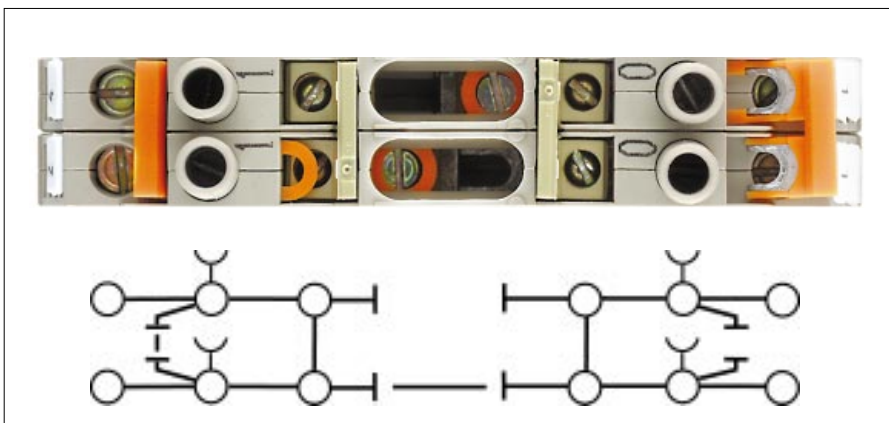
Testing points that are protected against finger-touch to VBG 4



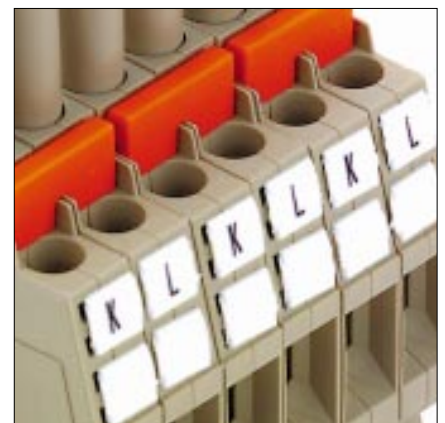
Compact construction: Slide link, cross-connection, cross-connection slider



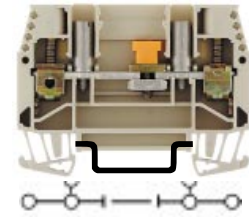
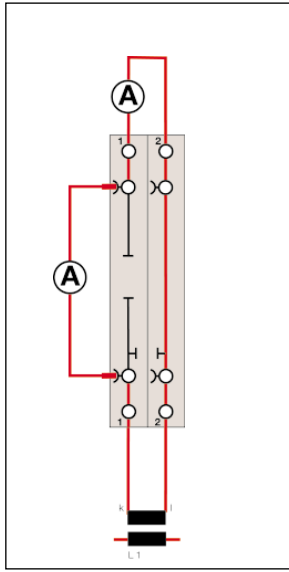
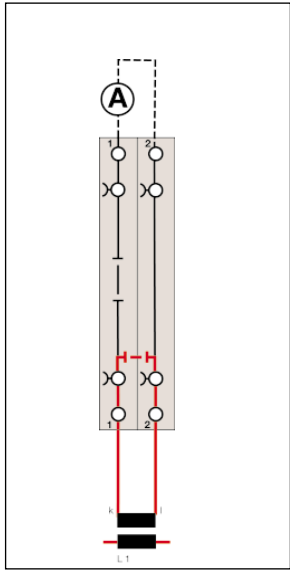
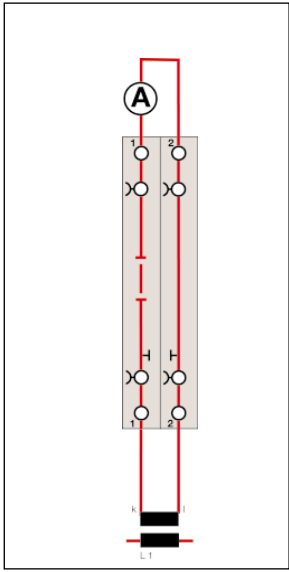
Optimised accessories for all circuit variants



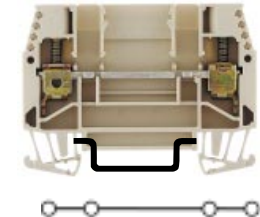
2 cross-connections sliders and 2 cross-connections per terminal



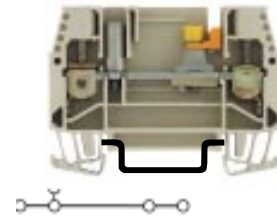
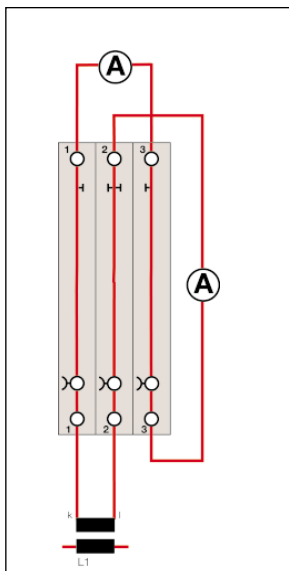
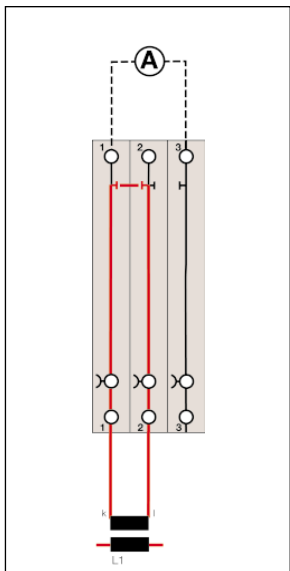
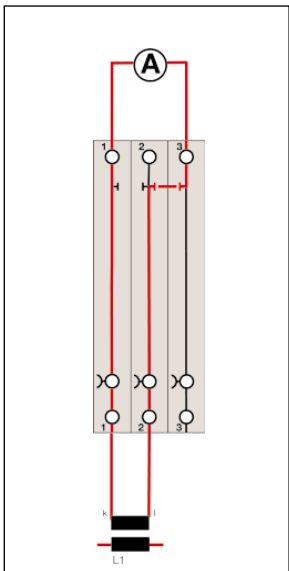
2 DEK-labels per connection point



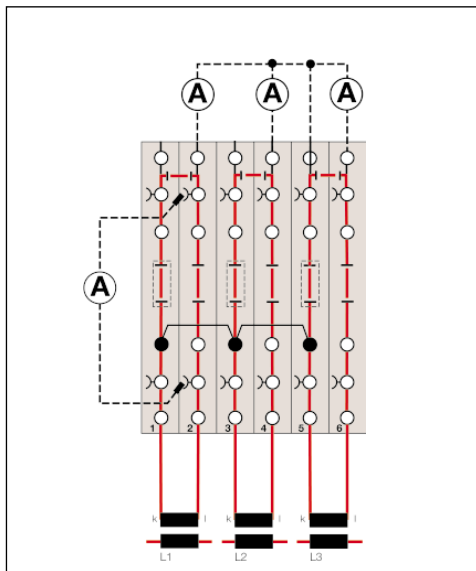
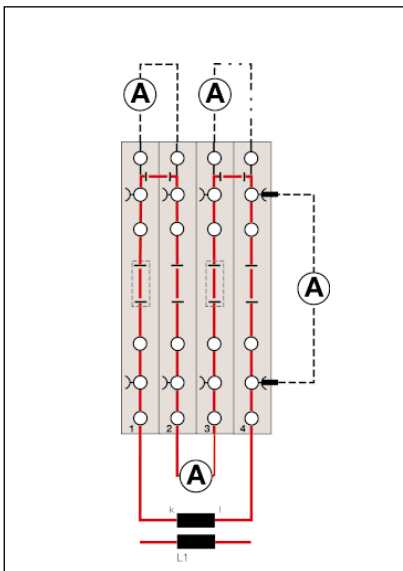
WTL 6/1/STB



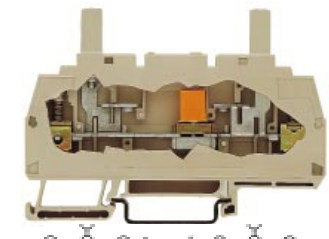
WTD 6/1



WTQ 6/1



WTL 6/2



WTL 6/3/STB

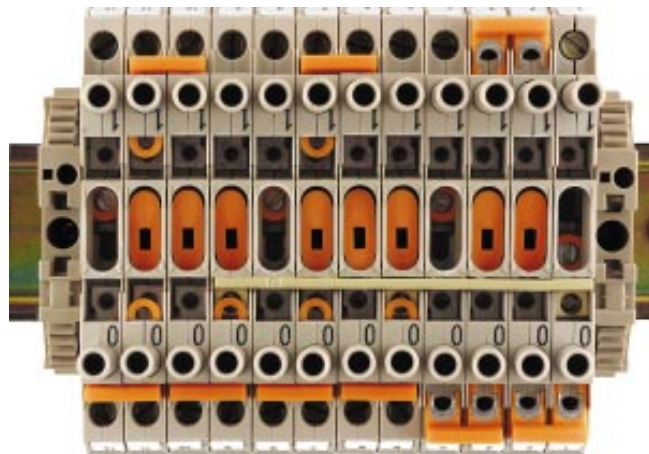
**Three-phase  
Current Transformer Circuit  
with WTL 6/3/STB**



**Three-phase Current Transformer  
Circuit with 12 WTL 6/3/STB**

**Requirement**

1. The K-point must be routed together from the transformers to the measurement terminal set, so that only 4 wires are required.
2. 3 ammeters or relays (network protection) must be switchable in series for each phase
3. The current flowing via the K-point must be able to be measured with control measurement devices during operation.
4. It must be possible to disconnect the ammeters individually, without operating the transformer open-circuit. All remaining measurement devices must remain in operation without any change.
5. It must be possible to »daisychain« control measurement devices and transducing sensors for each phase; these devices may be connected with the help of test plugs.



**Solution**

With 12 WTL 6/3/STB disconnect test terminal blocks, a three-phase current transformer circuit can be realised with 3 ammeters that are connected in series.

**L1 Residual Current Measurement**

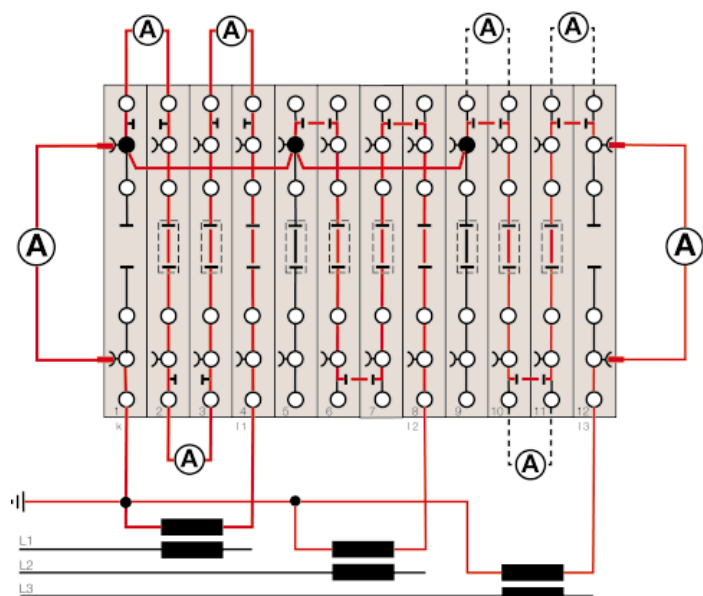
Ammeter hard-wired =>  
Cross-connection slider opened  
Control ammeter connected =>  
Slide link opened

**L2 Transformer Short-Circuit**

Cross-connection slider closed =>  
Ammeter disconnected

**L-3 Control Measurement by External  
Ammeter**

Control ammeter connected =>  
Slide link opened  
3 cross-connection sliders closed =>  
3 ammeter disconnected



## Disconnect test terminal blocks

Current transformers must always have a closed, secondary circuit, even when exchanging measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

Various easy and clear wiring solutions can be found using lateral disconnect terminals WTL 6/1, feed-through terminals WTD 6/1 and cross-disconnect terminals WTQ 6/1.

Examples:

Simple current transformer circuits

Measurement transformer test sets.

With one basic version, the WTL 6/2 can fulfill all circuit tasks occurring in practice as a lateral disconnect terminal. The short-circuit slides are of shock-proof design. Two short-circuit slides can be installed.

The WTL 6/3 is identical in function with the WTL 6/2 and is suitable for safety plug use due to its test socket StB 19.1 which is safe from finger-touch. Coloured sockets can be obtained for WTL 6/3.

### Meter test set with WTL 6/1

Combination of lateral disconnect terminal and feed-through terminal (example)

## WTL 6/1/STB

## WTD 6/1



Max. Technical Data

#### Dimensions

Width/length/height (mm) mit TS 35 x 7,5

Insulation stripping length/clamping screw/screwdriver blade

#### Rated data

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89 / pollution severity

#### Further technical data

Tightening torque range Nm

Torque setting with DMS2 electric screwdriver

#### Clampable conductor

solid H07V-U mm<sup>2</sup>

stranded H07V-R mm<sup>2</sup>

flexible H07V-K mm<sup>2</sup>

flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>

flexible H07V-K and AEH with plastic insul. collar mm<sup>2</sup>

Max. Clamping Range in mm<sup>2</sup> Gauge pin to 947-1 Size

Continuous current rating of cross-connection 2...5 -pole A

Continuous current rating of cross-connection 6...10 -pole A

#### UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

#### Ordering data

With Socket Wemid

Without Socket Wemid

#### End plate / partition

Thickness 1,5 mm

#### Small partition

#### Cross-connections

QL 2 2-pole

QL 3 3-pole

QL 4 4-pole

QL 10 10-pole

BS M 3x20 Cu

VH 12

QVS 2

QVSK 2

QVS 3

QVS 4

BS 25 blank

VH 19

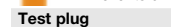
#### Socket

Socket Type StB 25 accepts test plug PS 4 in Type WTL 6/1 disconnect terminals or Type QS cross-connection plugs. The Type StB 35 is used for simultaneous testing with inserted cross-connection slides (QVS).

#### Disconnect lock

Prevents undesired opening of the disconnect

#### Test plug



PS 4

#### Marking tags

DEK 8 Consecutive horizontal

DEK 8 Consecutive vertical

WS Blank

WS DEK Printed

57 A/10 mm<sup>2</sup>

8/65/48,2

12 mm/M 3,5/3/4,0 x 0,8

500 V\*\*/41 A/6 mm<sup>2</sup>

6 kV/3

0,8...1,6/0,4...0,8\*

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...6

0,5...10

(QL 2...5) 47

(QL 6...10) 36

600 V/45 A/20...8 AWG

300 V/45 A/20...8 AWG

Cat. No. Qty.

101690 50

101670 50

Type Cat. No. Qty.

WAP WTL 106830 20

WTW WTL 106840 20

TSch 2

035366 100

QL 2

019430 50

QL 3

019440 50

QL 4

019450 50

QL 10

033830 20

BS M 3x20 Cu

037710 100

VH 12

024900 100

QVS 2

030730 20

QVSK 2

167036 20

QVS 3

032930 20

QVS 4

030740 20

BS 25 blank

033470 100

VH 19

031800 100

StB 25 GE

026720 50

StB 25 GN

027120 50

StB 25 VI

027130 50

StB 35 GE

038900 50

StB 35 GN

038890 50

StB 35 VI

038910 50

StB 14

016990 50

SSP 3

053176 100

PS 4

029960 20

DEK 8

127696 -

DEK 8

128966 -

WS 12/6,5

160992 -

WS 12/6,5

156895 -

StB 25 GE

026720 50

StB 25 GN

027120 50

StB 25 VI

027130 50

StB 35 GE

038900 50

StB 35 GN

038890 50

StB 35 VI

038910 50

StB 14

016990 50

SSP 3

053176 100

PS 4

029960 20

DEK 8

127696 -

DEK 8

128966 -

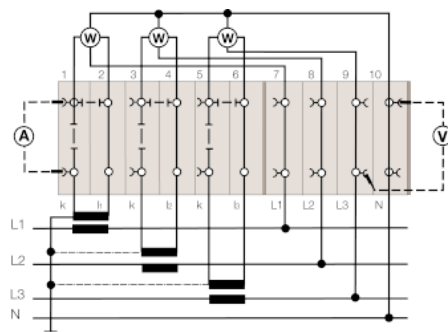
WS 12/6,5

160992 -

WS 12/6,5

156895 -

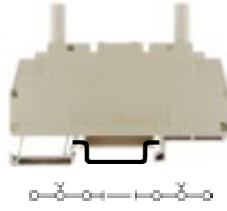
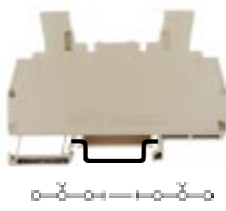
\* Disconnect element \*\* 400 V as disconnect terminal block



**WTQ 6/1**

**WTL 6/2**

**WTL 6/3/STB**



57 A/10 mm<sup>2</sup>  
8/65/48,2  
12 mm/M 3,5/3\*/4,0 x 0,8

57 A/10 mm<sup>2</sup>  
8/87/61,8  
-M 3,5/3\*/4,0 x 0,8

57 A/10 mm<sup>2</sup>  
8/87/61,8  
-M 3,5/3\*/4,0 x 0,8

400 V/41 A/6 mm<sup>2</sup>  
6 kV/3

400 V/41 A/6 mm<sup>2</sup>  
6 kV/3

400 V/41 A/6 mm<sup>2</sup>  
6 kV/3

0,8...1,6/0,4...0,8\*  
3

0,8...1,6/0,4...0,8\*  
3

0,8...1,6/0,4...0,8\*  
3

0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5  
(QL 2...5) 47  
(QL 6...10) 36

0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5  
63  
63

0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5  
63  
63

600 V/45 A/20...8 AWG  
300 V/45 A/20...8 AWG

600 V/45 A/20...8 AWG  
300 V/45 A/20...8 AWG

600 V/45 A/20...8 AWG  
-

| Type    | Cat. No.      | Qty. |
|---------|---------------|------|
|         | <b>101810</b> | 50   |
|         | <b>101790</b> | 50   |
| Type    | Cat. No.      | Qty. |
| WAP WTL | <b>106830</b> | 20   |
| WTW WTL | <b>106840</b> | 20   |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
|      | <b>101770</b> | 50   |
| Type | Cat. No.      | Qty. |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
|      | <b>101860</b> | 50   |
|      | <b>101880</b> | 50   |
| Type | Cat. No.      | Qty. |

TSch 2 **035366** 100

|              |               |     |
|--------------|---------------|-----|
| QL 2         | <b>019430</b> | 50  |
| QL 3         | <b>019440</b> | 50  |
| QL 4         | <b>019450</b> | 50  |
| QL 10        | <b>033830</b> | 20  |
| BS M 3x20 Cu | <b>037710</b> | 100 |
| VH 12        | <b>024900</b> | 100 |
| WKB 1/2      | <b>160428</b> | 50  |
| WKB 1/3      | <b>160430</b> | 50  |
| WKB 1/4      | <b>160432</b> | 50  |
| WKB 1/10     | <b>160433</b> | 20  |

|          |               |    |
|----------|---------------|----|
| WKS 1/2  | <b>160427</b> | 50 |
| WKS 1/3  | <b>160429</b> | 50 |
| WKS 1/4  | <b>160431</b> | 50 |
| WQV 6/2  | <b>105236</b> | 50 |
| WQV 6/3  | <b>105476</b> | 50 |
| WQV 6/4  | <b>105486</b> | 50 |
| WQV 6/10 | <b>105226</b> | 20 |

|          |               |    |
|----------|---------------|----|
| WKS 1/2  | <b>160427</b> | 50 |
| WKS 1/3  | <b>160429</b> | 50 |
| WKS 1/4  | <b>160431</b> | 50 |
| WQV 6/2  | <b>105236</b> | 50 |
| WQV 6/3  | <b>105476</b> | 50 |
| WQV 6/4  | <b>105486</b> | 50 |
| WQV 6/10 | <b>105226</b> | 20 |

StB 14 **016990** 50

StB 21.6/IH/VI **107103** 50  
StB 21.6/IH/GN **107102** 50  
StB 21.6/IH/GE **107101** 50  
StB 21.6/IH/BE **107100** 50

Safety plug supplier:  
Multi-Contact Deutschland GmbH,  
Postf. 1606, 79551 Weil a. Rhein

SSP 3 **053176** 100

SSP WTL 6/2 **160420** 100

SSP WTL 6/2 **160420** 100

PS 4 **029960** 20

PS 4 **029960** 20

PS 4 **029960** 20

|           |               |   |
|-----------|---------------|---|
| DEK 8     | <b>127696</b> | - |
| DEK 8     | <b>128966</b> | - |
| WS 12/6,5 | <b>160992</b> | - |
| WS 12/6,5 | <b>156895</b> | - |

|           |               |   |
|-----------|---------------|---|
| DEK 8     | <b>127696</b> | - |
| DEK 8     | <b>128966</b> | - |
| WS 12/6,5 | <b>160992</b> | - |
| WS 12/6,5 | <b>156895</b> | - |

|           |               |   |
|-----------|---------------|---|
| DEK 8     | <b>127696</b> | - |
| DEK 8     | <b>128966</b> | - |
| WS 12/6,5 | <b>160992</b> | - |
| WS 12/6,5 | <b>156895</b> | - |


\* Disconnect element

## Fuse terminal blocks

**Note:**  
With blown fuse the follow on circuit is still under current.  
Disconnect lever to open circuit

### Max. Technical Data

#### Dimensions

Width/length/height (mm) With TS 35 x 7,5   
Insulation stripping length/clamping screw/screwdriver blade

#### Rated data Reihenklemmenunterteil

Rated voltage/rated current/rated cross-section  
Rated impulse voltage VDE 0110/1.89 / pollution severity

#### Further technical data

Tightening torque range Nm  
Torque setting with DMS2 electric screwdriver

#### Clampable conductor

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
flexible H07V-K and AEH with plastic insul. collar mm<sup>2</sup>  
Max. Clamping Range in mm<sup>2</sup> Gauge pin to 947-1 Size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

#### UL / CSA rated data

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

#### Ordering data

| Version | Wemid |
|---------|-------|
|         | Wemid |
|         | Wemid |
|         | Wemid |

#### Partition/End plate

WTW WAP  
Thickness 1,5 mm Thickness 1,5 mm

#### Cross-connection

QL 2-10  
BS  
PS  
Notching tool for QL WAW 2

#### G fuse cartridges 5x25 mm with indicator<sup>2)</sup>

to DIN 41 576 Rated current (A): 0,2 med.blow  
Rated voltage 250 V AC 0,5 med.blow  
0,8 med.blow  
1 med.blow  
10 med.blow  
2 rapid blow  
4 rapid blow  
6,3 rapid blow

#### G fuse cartridges 5x20 mm<sup>3)</sup>

to DIN 41660 IEC 127 type 1 Rated current (A):  
Rated voltage 250 V AC 0.20 rapid blow  
Switching capacity 1500 A 0.25 rapid blow  
(at 250 V, 50 Hz, cos φ = 0.7) 0.50 rapid blow  
1.0 rapid blow  
1.6 rapid blow  
2.0 rapid blow  
2.5 rapid blow  
3.15 rapid blow  
4.0 rapid blow  
5.0 rapid blow  
6.3 rapid blow

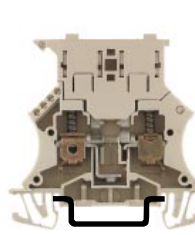
#### Marking tags

DEK Consecutive horizontal  
DEK Consecutive vertical  
WS Blank  
WS DEK Printed

For further accessories see section 3, further marking material see section 8

## WSI 6

for metric fuses



6,3 A/-  
8/60/60  
12 mm/M 3,5/4,0 x 0,8  
500 V/6,3 A<sup>2)</sup>/6 mm<sup>2</sup>  
6 kV/3  
0,8...1,6  
3  
0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5

26  
300 V/10 A/20...8 AWG  
300 V/10 A/20...8 AWG

| Type                        | Cat. No. | Qty. |
|-----------------------------|----------|------|
| WAP                         | 105000   | 50   |
| WTW 2.5-10                  | 105010   | 20   |
| Dis. term. w/contact sleeve | 102820   | 50   |

Type Cat. No. Qty.  
WAP 105000 50  
WTW 2.5-10 105010 20  
Install partition after last WSI 6

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| QL 2     | 019430   | 50   |
| QL 3     | 019440   | 50   |
| QL 4     | 019450   | 50   |
| QL 10    | 033830   | 20   |
| BS-M 3x5 | 105210   | 100  |
| PS 2.3   | 018040   | 20   |
| WAW 2    | 900451   | -    |

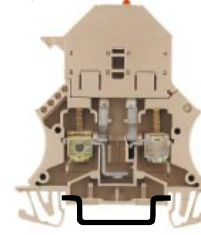
|  |        |    |
|--|--------|----|
|  | 054690 | 10 |
|  | 051030 | 10 |
|  | 064640 | 10 |
|  | 026580 | 10 |
|  | 019310 | 10 |
|  | 019270 | 10 |
|  | 019280 | 10 |
|  | 019290 | 10 |

|  |        |    |
|--|--------|----|
|  | 043040 | 10 |
|  | 043050 | 10 |
|  | 043060 | 10 |
|  | 043070 | 10 |
|  | 043080 | 10 |
|  | 043090 | 10 |
|  | 043100 | 10 |
|  | 043110 | 10 |
|  | 043120 | 10 |
|  | 043130 | 10 |
|  | 043140 | 10 |

|           |        |   |
|-----------|--------|---|
| DEK       | 047346 | - |
| DEK       | 047356 | - |
| WS 12/6,5 | 160992 | - |
| WS 12/6,5 | 156895 | - |

## WSI 6 LD

with LED indicator for metric fuses for DC or AC voltage (see note in first column of page 2/32)



6,3 A/-  
8/60/70  
12 mm/M 3,5/4,0 x 0,8  
500 V/6,3 A<sup>2)</sup>/6 mm<sup>2</sup>  
6 kV/3  
0,8...1,6  
3  
0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5

26  
300 V/10 A/20...8 AWG  
300 V/10 A/20...8 AWG

| Type                        | Cat. No. | Qty. |
|-----------------------------|----------|------|
| WAP                         | 105000   | 50   |
| WTW 2.5-10                  | 105010   | 20   |
| Dis. term. w/contact sleeve | 102820   | 50   |

Type Cat. No. Qty.  
WAP 105000 50  
WTW 2.5-10 105010 20  
Install partition after last WSI 6

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| QL 2     | 019430   | 50   |
| QL 3     | 019440   | 50   |
| QL 4     | 019450   | 50   |
| QL 10    | 033830   | 20   |
| BS-M 3x5 | 105210   | 100  |
| PS 2.3   | 018040   | 20   |
| WAW 2    | 900451   | -    |

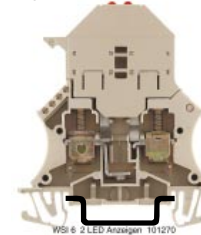
|  |        |    |
|--|--------|----|
|  | 054690 | 10 |
|  | 051030 | 10 |
|  | 064640 | 10 |
|  | 026580 | 10 |
|  | 019310 | 10 |
|  | 019270 | 10 |
|  | 019280 | 10 |
|  | 019290 | 10 |

|  |        |    |
|--|--------|----|
|  | 043040 | 10 |
|  | 043050 | 10 |
|  | 043060 | 10 |
|  | 043070 | 10 |
|  | 043080 | 10 |
|  | 043090 | 10 |
|  | 043100 | 10 |
|  | 043110 | 10 |
|  | 043120 | 10 |
|  | 043130 | 10 |
|  | 043140 | 10 |

|           |        |   |
|-----------|--------|---|
| DEK       | 047346 | - |
| DEK       | 047356 | - |
| WS 12/6,5 | 160992 | - |
| WS 12/6,5 | 156895 | - |

## WSI 6 2 LD

with 2 LED's for metric fuses for DC voltage (see note in first column of page 2/32)



6,3 A/-  
8/60/70  
12 mm/M 3,5/4,0 x 0,8  
500 V/6,3 A<sup>2)</sup>/6 mm<sup>2</sup>  
6 kV/3  
0,8...1,6  
3  
0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5

26  
300 V/10 A/20...8 AWG  
24 V/10 A/20...8 AWG

| Type                        | Cat. No. | Qty. |
|-----------------------------|----------|------|
| WAP                         | 105000   | 50   |
| WTW 2.5-10                  | 105010   | 20   |
| Dis. term. w/contact sleeve | 102820   | 50   |

Type Cat. No. Qty.  
WAP 105000 50  
WTW 2.5-10 105010 20  
Install partition after last WSI 6

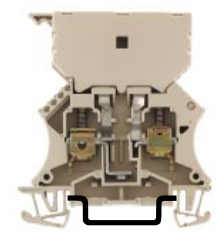
| Type     | Cat. No. | Qty. |
|----------|----------|------|
| QL 2     | 019430   | 50   |
| QL 3     | 019440   | 50   |
| QL 4     | 019450   | 50   |
| QL 10    | 033830   | 20   |
| BS-M 3x5 | 105210   | 100  |
| PS 2.3   | 018040   | 20   |
| WAW 2    | 900451   | -    |

|  |        |    |
|--|--------|----|
|  | 054690 | 10 |
|  | 051030 | 10 |
|  | 064640 | 10 |
|  | 026580 | 10 |
|  | 019310 | 10 |
|  | 019270 | 10 |
|  | 019280 | 10 |
|  | 019290 | 10 |

|  |        |    |
|--|--------|----|
|  | 043040 | 10 |
|  | 043050 | 10 |
|  | 043060 | 10 |
|  | 043070 | 10 |
|  | 043080 | 10 |
|  | 043090 | 10 |
|  | 043100 | 10 |
|  | 043110 | 10 |
|  | 043120 | 10 |
|  | 043130 | 10 |
|  | 043140 | 10 |

|           |        |   |
|-----------|--------|---|
| DEK       | 047346 | - |
| DEK       | 047356 | - |
| WS 12/6,5 | 160992 | - |
| WS 12/6,5 | 156895 | - |

## WSI 6/2<sup>1)</sup> for inch fuses



10 A/-  
12/60/67  
12 mm/M 3,5/4,0 x 0,8  
500 V/6,3 A<sup>2)</sup>/6 mm<sup>2</sup>  
6 kV/3  
0,8...1,6  
3  
0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5

26  
600 V/16 A/20...8 AWG  
600 V/16 A/20...8 AWG

| Type                        | Cat. No. | Qty. |
|-----------------------------|----------|------|
| WAP                         | 105000   | 50   |
| WTW 2.5-10                  | 105010   | 20   |
| Dis. term. w/contact sleeve | 102820   | 50   |

Type Cat. No. Qty.  
WAP 105000 50  
WTW 2.5-10 105010 20  
Install partition after last WSI 6

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| QL 2     | 047070   | 50   |
| QL 3     | 047080   | 50   |
| QL 4     | 047090   | 50   |
| QL 10    | 047100   | 20   |
| BS-M 3x5 | 105210   | 100  |
| PS 2.3   | 018040   | 20   |
| WAW 2    | 900451   | -    |

|  |        |    |
|--|--------|----|
|  | 054690 | 10 |
|  | 051030 | 10 |
|  | 064640 | 10 |
|  | 026580 | 10 |
|  | 019310 | 10 |
|  | 019270 | 10 |
|  | 019280 | 10 |
|  | 019290 | 10 |

|  |        |    |
|--|--------|----|
|  | 043040 | 10 |
|  | 043050 | 10 |
|  | 043060 | 10 |
|  | 043070 | 10 |
|  | 043080 | 10 |
|  | 043090 | 10 |
|  | 043100 | 10 |
|  | 043110 | 10 |
|  | 043120 | 10 |
|  | 043130 | 10 |
|  | 043140 | 10 |

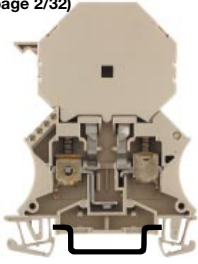
|           |        |   |
|-----------|--------|---|
| DEK       | 047346 | - |
| DEK       | 047356 | - |
| WS 12/6,5 | 160992 | - |
| WS 12/6,5 | 156895 | - |

<sup>1)</sup> Rated thermal current to VDE 0611 = 6.3 A when used as a short-circuit fuse up to 15 A..

<sup>2)</sup> Maximum power loss 1.6 W

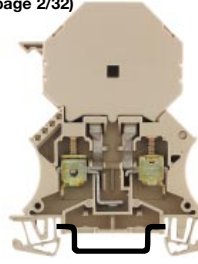
<sup>3)</sup> Note power loss of fuse cartridge up to 1.6 Watt

**WSI 6/2<sup>1)</sup>** with LED  
for V AC/V DC inch fuses  
(see note in first column of  
page 2/32)



|  |
|--|
| 10 A/-                                       |
| 12/60/79                                     |
| 12 mm/M 3,5/4,0 x 0,8                        |
| 500 V/6,3 A <sup>2)</sup> /6 mm <sup>2</sup> |
| 6 kV/3                                       |
| 0,8...1,6                                    |
| 3  |
| 0,5...10                                     |
| 1,5...10                                     |
| 0,5...10                                     |
| 0,5...6                                      |
| 0,5...6                                      |
| 0,5...10                                     |
| A 5  |
| 26   |
| 600 V/16 A/20...8 AWG                        |
| 10-220 V/16 A/20...8 AWG                     |
| ┌ Cat. No. Qty.                              |
| 14 V-/-10-28 V- <b>101410</b> 25             |
| 15-30 V-/-30-60 V- <b>101420</b> 25          |
| 40-60 V-/-80-120 V- <b>101430</b> 25         |
| 110 V-/-220 V- <b>101440</b> 25              |
| Type Cat. No. Qty.                           |
| WAP <b>105000</b> 50                         |
| WTW 2.5-10 <b>105010</b> 20                  |
| Install partition after last WSI 6           |
| QL 2 <b>047070</b> 50                        |
| QL 3 <b>047080</b> 50                        |
| QL 4 <b>047090</b> 50                        |
| QL 10 <b>047100</b> 20                       |
| BS-M 3x5 <b>105210</b> 100                   |
| PS 2.3 <b>018040</b> 20                      |
| WAW 2 <b>900451</b> -                        |
| Fuse cartridges                              |
| 1/4"x 1 1/4"(6.3 x 32)                       |
| Rated voltage 440 V                          |
| E 2 A <b>029450</b> 10                       |
| E 3 A <b>029570</b> 10                       |
| E 5 A <b>029460</b> 10                       |
| E 7 A <b>029580</b> 10                       |
| E 10 A <b>029390</b> 10                      |

**WSI 6/2<sup>1)</sup>** with 2 LEDs  
for V DC inch fuses only  
(see note in first column of  
page 2/32)



|  |
|--|
| 10 A/-                                       |
| 12/60/79                                     |
| 12 mm/M 3,5/4,0 x 0,8                        |
| 500 V/6,3 A <sup>2)</sup> /6 mm <sup>2</sup> |
| 6 kV/3                                       |
| 0,8...1,6                                    |
| 3  |
| 0,5...10                                     |
| 1,5...10                                     |
| 0,5...10                                     |
| 0,5...6                                      |
| 0,5...6                                      |
| 0,5...10                                     |
| A 5  |
| 26   |
| 600 V/16 A/20...8 AWG                        |
| 24 V/16 A/20...8 AWG                         |
| ┌ Cat. No. Qty.                              |
| 24 V- <b>101450</b> 25                       |
| Type Cat. No. Qty.                           |
| WAP <b>105000</b> 50                         |
| WTW 2.5-10 <b>105010</b> 20                  |
| Install partition after last WSI 6           |
| QL 2 <b>047070</b> 50                        |
| QL 3 <b>047080</b> 50                        |
| QL 4 <b>047090</b> 50                        |
| QL 10 <b>047100</b> 20                       |
| BS-M 3x5 <b>105210</b> 100                   |
| PS 2.3 <b>018040</b> 20                      |
| WAW 2 <b>900451</b>                          |
| Fuse cartridges                              |
| 1/4"x 1 1/4"(6.3 x 32)                       |
| Rated voltage 440 V                          |
| E 2 A <b>029450</b> 10                       |
| E 3 A <b>029570</b> 10                       |
| E 5 A <b>029460</b> 10                       |
| E 7 A <b>029580</b> 10                       |
| E 10 A <b>029390</b> 10                      |

**SAKS 4/35**  
for D 01-fuse **E 14**



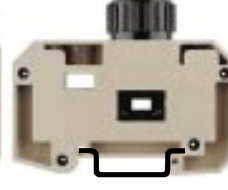
|   |
|---|
| 24/75/66                                      |
| 14 mm/M 4/5,5 x 1                             |
| 400 V- <sup>4)</sup> /16 A/10 mm <sup>2</sup> |
| 6 kV/3  |
| 1,2...2,4                                     |
| 4   |
| 0,5...16                                      |
| 1,5...10                                      |
| 0,5...10                                      |
| 0,5...10                                      |
| 0,33...16                                     |
| B 6   |
| (QL 2...5) 47                                 |
| (QL 6...10) 36                                |
| 600 V/30 A/22...8 AWG                         |
| ┌ Cat. No. Qty.                               |
| Wemid beige KrG <b>050180</b> 20              |
| Neozed D 01                                   |
| Type Cat. No. Qty.                            |
| QL 2 <b>032800</b> 20                         |
| QL 3 <b>032810</b> 20                         |
| QL 4 <b>032820</b> 20                         |
| QL 10 <b>033900</b> 20                        |
| BS M 4x9 <b>010330</b> 100                    |
| SS M 4 <b>013640</b> 100                      |
| Fuse cartridges D 01                          |
| Rated voltage 380 V                           |
| E 14/2 <b>013740</b> 10                       |
| E 14/4 <b>013750</b> 10                       |
| E 14/6 <b>032830</b> 10                       |
| E 14/10 <b>032840</b> 10                      |
| E 14/16 <b>032850</b> 10                      |
| Gauge rings                                   |
| P 14/2 <b>013800</b> 50                       |
| P 14/4 <b>013810</b> 50                       |
| P 14/6 <b>032860</b> 50                       |
| P 14/10 <b>032870</b> 50                      |
| Screw cap (spare)                             |
| SK <b>033941</b> 20                           |

**SAKS 2/35**  
for D-fuse **E 16**



|   |
|---|
| 28/80/75  |
| 12 mm/M 4/5,5 x 1                                   |
| 500 V-/-10 (25) A <sup>5)</sup> /10 mm <sup>2</sup> |
| 6 kV/3  |
| 1,2...2,4   |
| 4   |
| 0,5...16  |
| 0,5...10  |
| 0,5...10  |
| 0,5...10  |
| 0,33...16   |
| B 6   |
| (QL 2...5) 47                                       |
| (QL 6...10) 36                                      |
| 600 V/25 A/22...8 AWG                               |
| ┌ Cat. No. Qty.                                     |
| Wemid beige KrG <b>136870</b> 20                    |
| Diazed E 16   |
| Type Cat. No. Qty.                                  |
| QL 2 <b>020780</b> 20                               |
| QL 3 <b>020790</b> 20                               |
| QL 4 <b>020800</b> 20                               |
| QL 10 <b>033890</b> 20                              |
| BS M 4x9 <b>010330</b> 100                          |
| SS M 4 <b>013640</b> 100                            |
| Fuse cartridges D                                   |
| Rated voltage 380 V                                 |
| E 10 A <b>020850</b> 25                             |
| E 16 A <b>020860</b> 25                             |
| E 20 A <b>020870</b> 25                             |
| E 25 A <b>020880</b> 25                             |
| Gauge rings   |
| P 16/10 <b>020890</b> 100                           |
| P 16/16 <b>020900</b> 100                           |
| P 16/20 <b>020910</b> 100                           |
| Screw cap (spare)                                   |
| SK <b>028411</b> 20                                 |

**SAKS 5/35**  
for D 02-fuse **E 18**

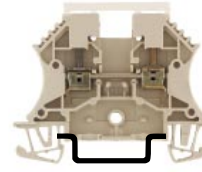


|   |
|---|
| 28/80/66                                      |
| 13 mm/M 4/5,5 x 1                             |
| 400 V- <sup>4)</sup> /63 A/16 mm <sup>2</sup> |
| 6 kV/3  |
| 1,2...2,4                                     |
| 4   |
| 1,5...16                                      |
| 1,5...16                                      |
| 1,5...16                                      |
| 1,5...16                                      |
| 1,5...16                                      |
| B 7   |
| (QL 2...5) 47                                 |
| (QL 6...10) 36                                |
| 600 V/63 A/14...6 AWG                         |
| ┌ Cat. No. Qty.                               |
| Wemid beige KrG <b>050210</b> 20              |
| Neozed D 02                                   |
| Type Cat. No. Qty.                            |
| QL 2 <b>020780</b> 20                         |
| QL 3 <b>020790</b> 20                         |
| QL 4 <b>020800</b> 20                         |
| QL 10 <b>033890</b> 20                        |
| BS M 4x9 <b>010330</b> 100                    |
| SS M 4 <b>013640</b> 100                      |
| Fuse cartridges D 02                          |
| Rated voltage 500 V                           |
| E 18/20 <b>036130</b> 10                      |
| E 18/25 <b>036140</b> 10                      |
| E 18/35 <b>036150</b> 10                      |
| E 18/50 <b>036160</b> 10                      |
| E 18/63 <b>036170</b> 10                      |
| Gauge rings                                   |
| P 18/20 <b>036180</b> 50                      |
| P 18/25 <b>036190</b> 50                      |
| P 18/35 <b>036200</b> 50                      |
| P 18/50 <b>036210</b> 50                      |
| Screw cap (spare)                             |
| SK <b>035931</b> 20                           |

<sup>4)</sup> Also for 440 V- with Neozed-marine fuse  
<sup>5)</sup> Current for overload up to 10 A, for short-current up to 25 A

## Terminal blocks for temperature measuring circuits

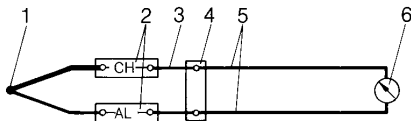
## WDU 2.5/TC



Weidmüller thermocouple terminals are specially designed to transmit very small voltages in temperature measuring circuits. Special busbars ensure that no false signals are transmitted in the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine performance test rigs, complicated chemical processes, controllers, etc.

- Busbar material corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Stacking width: 10 mm

### Configuration of a temperature measuring circuit



- 1 Thermocouple (sensor)
- 2 Thermocouple terminals
- 3 Compensating conductor
- 4 Reference junction
- 5 Supply conductors (to and from)
- 6 Measuring instrument

The thermocouple terminals shown in this measuring circuit thermoelectrically transmit thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature circuit.

### Technical data

Thermocouples to IEC 584 (DIN 43710)

| Busbar |                   |
|--------|-------------------|
|        | Cromel-Alumel     |
|        | Copper-Constantan |
|        | Iron-Constantan   |
|        | E-Copper/A-Copper |
|        | S-Copper/E-Copper |
|        | Cromel-Constantan |

### Max. Technical Data

| Dimensions   |                                  |
|--|----------------------------------|
| Width/length/height (mm)                                     | mit TS 35 x 7,5                  |
| Insulation stripping length/clamping screw/screwdriver blade | 10 mm/M 2,5/3,5 x 0,6            |
| Rated data   |                                  |
| Rated voltage/rated current/rated cross-section              | -/-/2,5 mm <sup>2</sup>          |
| Rated impulse voltage VDE 0110/1.89 / pollution severity     |                                  |
| Further technical data                                       |                                  |
| Tightening torque range                                      | Nm 0,4...0,8                     |
| Torque setting with DMS2 electric screwdriver                | 1                                |
| Clampable conductor  |                                  |
| solid H07V-U   | mm <sup>2</sup> 0,5...2,5        |
| stranded H07V-R  | mm <sup>2</sup> 1,5...2,5        |
| flexible H07V-K  | mm <sup>2</sup> 0,5...2,5        |
| flexible H07V-K and AEH DIN 46 228/1                         | mm <sup>2</sup> 0,5...2,5        |
| flexible H07V-K and AEH with plastic insul. collar           | mm <sup>2</sup> 0,5...2,5        |
| Max. Clamping Range in mm <sup>2</sup>                       | Gauge pin to 947-1 Size 0,13...4 |
| Continuous current rating of cross-connection 2-pole         | A                                |
| Continuous current rating of cross-connection multipole      | A                                |

### UL / CSA rated data

|                                    |                           |
|------------------------------------|---------------------------|
| Voltage / current / conductor size | UL 300 V/20 A/22...12 AWG |
| Voltage / current / conductor size | CSA -                     |

### Ordering data

|                   | Version                                   |
|-------------------|---|
| for Thermocouples | Type K NiCr - Ni                          |
| to IEC 584        | Type T Cu - CuNi                          |
| (DIN 43710)       | Type J Fe - CuNi                          |
|                   | Type S u. R Pt 10% - Pt Rh/PT 13% - Pt Rh |
|                   | Type B Pt 30% Rh - Pt 6% Rh               |
|                   | Type E NiCr - CuNi                        |

### End plate / partition

| Type                   | Cat. No. | Qty.      |
|------------------------|----------|-----------|
| WAP (Thickness 1,5 mm) | Wemid    | 105000 50 |
| WTW (Thickness 1,5 mm) | Wemid    | 105010 20 |

### Marking tags

| DEK    | WS | Printed                | Print            |
|--------|----|------------------------|------------------|
| DEK    | WS | Consecutive horizontal | DEK 5 047346 -   |
| DEK    | WS | Consecutive vertical   | DEK 5 047356 -   |
| WS     | WS | Blank                  | WS 12/5 160986 - |
| WS DEK | WS | Printed                | WS 12/5 144746 - |

For further accessories see section 3, further marking material see section 8

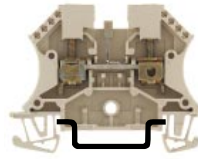
## Feed-through terminals with WSA plug adaptor

## WDU 4 SA

## Feed-through terminals

for retrofitting electronic components

## WPO 4



Max. Technical Data

| Dimensions   |                    | 6/60/47                      |                   |
|--|--------------------|------------------------------|-------------------|
| Width/length/height (mm)                                     | With TS 35 x 7,5   |                              |                   |
| Insulation stripping length/clamping screw/screwdriver blade |                    | 10 mm/M 3/3,5 x 0,6          |                   |
| Rated data   |                    |                              |                   |
| Rated voltage/rated current/rated cross-section              |                    | 400 V/34 A/4 mm <sup>2</sup> |                   |
| Rated impulse voltage VDE 0110/1.89 / pollution severity     |                    | 6 kV/3                       |                   |
| Further technical data                                       |                    |                              |                   |
| Tightening torque range                                      | Nm                 | 0,5...1,0                    |                   |
| Torque setting with DMS2 electric screwdriver                |                    | 2                            |                   |
| Clampable conductor  |                    |                              |                   |
| solid H07V-U   | mm <sup>2</sup>    | 0,5...6                      |                   |
| stranded H07V-R  | mm <sup>2</sup>    | 1,5...6                      |                   |
| flexible H07V-K  | mm <sup>2</sup>    | 0,5...4                      |                   |
| flexible H07V-K and AEH DIN 46 228/1                         | mm <sup>2</sup>    | 0,5...4                      |                   |
| flexible H07V-K and AEH with plastic insul. collar           | mm <sup>2</sup>    | 0,5...4                      |                   |
| Max. Clamping Range in mm <sup>2</sup>                       | Gauge pin to 947-1 | Size                         | A 4               |
| Continuous current rating of cross-connection 2-pole         | A                  |                              |                   |
| Continuous current rating of cross-connection multipole      | A                  |                              |                   |
| UL / CSA rated data  |                    |                              |                   |
| Voltage / current / conductor size                           | UL                 | 300 V/25 A/22...12 AWG       |                   |
| Voltage / current / conductor size                           | CSA                | 300 V/-/22...12 AWG          |                   |
| Ordering data  |                    | Type                         | Cat. No. Qty.     |
|  |                    |                              | <b>102110</b> 100 |
|  |                    | blue                         | <b>102118</b> 100 |

Max. Technical Data

| Dimensions   |                    | 6/60/47                      |                  |
|--|--------------------|------------------------------|------------------|
| Width/length/height (mm)                                     | With TS 35 x 7,5   |                              |                  |
| Insulation stripping length/clamping screw/screwdriver blade |                    | 9 mm/M 3/3,5 x 0,6           |                  |
| Rated data IEC 947-7-1                                       |                    |                              |                  |
| Rated voltage/rated current/rated cross-section              |                    | 250 V/32 A/4 mm <sup>2</sup> |                  |
| Rated impulse voltage VDE 0110/1.89 / pollution severity     |                    | 4 kV/3                       |                  |
| Further technical data                                       |                    |                              |                  |
| Tightening torque range                                      | Nm                 | 0,5...1,0                    |                  |
| Torque setting with DMS2 electric screwdriver                |                    | 2                            |                  |
| Clampable conductor  |                    |                              |                  |
| solid H07V-U   | mm <sup>2</sup>    | 0,5...4                      |                  |
| stranded H07V-R  | mm <sup>2</sup>    | 1,5...4                      |                  |
| flexible H07V-K  | mm <sup>2</sup>    | 0,5...4                      |                  |
| flexible H07V-K and AEH DIN 46 228/1                         | mm <sup>2</sup>    | 0,5...4                      |                  |
| flexible H07V-K and AEH with plastic insul. collar           | mm <sup>2</sup>    | 0,5...4                      |                  |
| Max. Clamping Range in mm <sup>2</sup>                       | Gauge pin to 947-1 | Size                         | A 3              |
| Wire diameter electrical component                           | mm                 | 0,8...1,0 mm                 |                  |
| UL / CSA rated data  |                    |                              |                  |
| Voltage / current / conductor size                           | UL                 | 300 V/10 A/26...12 AWG       |                  |
| Voltage / current / conductor size                           | CSA                |                              |                  |
| Ordering data  |                    | Type                         | Cat. No. Qty.    |
|  |                    | Wemid                        | <b>103600</b> 50 |

### End plate

| Type                      | Cat. No.      | Qty. |
|---------------------------|---------------|------|
| WAP<br>(Thickness 1,5 mm) | <b>105000</b> | 50   |
| WAP 2.5-10                | <b>105008</b> | 50   |

### Partition

| Type                   | Cat. No.      | Qty. |
|------------------------|---------------|------|
| WTW (Thickness 1,5 mm) | <b>105010</b> | 20   |
| WTW 2.5-10             | <b>105018</b> | 20   |

### Cross-connection

| Type                     | Cat. No.      | Qty. |
|--------------------------|---------------|------|
| WQV<br>Screen lug LS 2.8 |               |      |
| LS 2.8                   | <b>105640</b> | 50   |

### Plug adaptor WSA 2

| Version  | Color | Cat. No.                | Qty.                           |
|--|-------|-------------------------|--------------------------------|
| 380 V-/10 A/1,5 mm <sup>2</sup><br>Version with crimp connection | Green | WSA 2 <sup>1)</sup>     | <b>050236</b> <sup>3)</sup> 20 |
|  |       | WSA 2 <sup>2)</sup>     | <b>052976</b> <sup>3)</sup> 20 |
|  |       | WSA 2 <sup>2)</sup>     | <b>052965</b> <sup>3)</sup> 20 |
|  |       | WSA 2 <sup>2)</sup>     | <b>052956</b> <sup>4)</sup> 20 |
| Version with screw connection                                    | Green | WSA 2 TOP <sup>1)</sup> | <b>133396</b> <sup>3)</sup> 20 |
|  |       | WSA 2 TOP <sup>2)</sup> | <b>133386</b> <sup>3)</sup> 20 |
| Version with TOP-system  | Green | WSA 2 TOP <sup>2)</sup> | <b>133405</b> <sup>3)</sup> 20 |
|  |       | WSA 2 TOP <sup>2)</sup> | <b>133376</b> <sup>4)</sup> 20 |

### Covers

| Quantity | Cat. No. | Qty.             |
|----------|----------|------------------|
| 3        | AH 2/3   | <b>053166</b> 20 |
| 4        | AH 2/4   | <b>040536</b> 20 |
| 5        | AH 2/5   | <b>040556</b> 20 |
| 8        | AH 2/8   | <b>040576</b> 20 |
| 10       | AH 2/10  | <b>040596</b> 20 |
| 12       | AH 2/12  | <b>040616</b> 20 |

### Crimp contact 0.5-1.5 mm<sup>2</sup>

| Type                     | Cat. No. | Qty.              |
|--------------------------|----------|-------------------|
| Individual               | C 1 E/L* | <b>019850</b> 200 |
| Continuous strip on reel | C 1 R/L  | <b>019900</b> -   |

### Marking tags

| Marking                    | Cat. No. | Qty.            |
|----------------------------|----------|-----------------|
| DEK Consecutive horizontal | DEK 6    | <b>046866</b> - |
| DEK Consecutive vertical   | DEK 6    | <b>046876</b> - |
| WS Blank                   | WS 12/6  | <b>160990</b> - |
| WS DEK Printed             | WS 12/6  | <b>144766</b> - |

See Section 5 for mounting rails, end brackets, additional marking materia 5

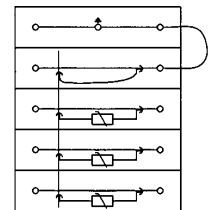
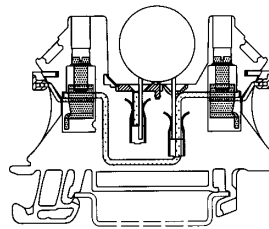
\* Crimping tool  
 1) With hook 2) Without hook 3) With dovetail 4) Without dovetail 5) Without pin 6) With pin 7) With spring 8) Without spring

### Barrier

| Type             | Cat. No. | Qty.             |
|------------------|----------|------------------|
| Thickness 2,5 mm | ZR       | <b>107110</b> 20 |

### Busbar

| Type         | Cat. No.      | Qty. |
|--------------|---------------|------|
| SSch 7.3x1.2 | <b>107120</b> | 1 m  |



WPO 4 with fitted varistor

Weidmüller varistor terminals have been designed for retrofitting electronic components, e.g. varistors, diodes, gas discharge tubes, etc. These electronic terminals no longer have to be configured prior installation to subsequently be delivered with soldered components which can no longer be distinguished. The significant advantages of this new design are

#### Cost saving

- Components can be changed quickly on site.
- Service is limited to visual inspection

#### Clarity:

- Components are easy to distinguish.

#### Flexibility:

- Components can immediately be adapted to changed conditions

#### Note:

- Never change electronic components in energised systems

### Marking tags

| Marking                    | Cat. No. | Qty.            |
|----------------------------|----------|-----------------|
| DEK Consecutive horizontal | DEK 6    | <b>046866</b> - |
| DEK Consecutive vertical   | DEK 6    | <b>047356</b> - |
| WS Blank                   | WS 12/6  | <b>160990</b> - |
| WS DEK Printed             | WS 12/6  | <b>144766</b> - |

Overvoltages in a three-phase supply discharged to earth via WPE 4 with the aid of varistors and a gas discharge tube.



**WDU 1.5/BLZ 5.08**

**WDU 1.5/BLZ/LD/5.08**

with LED Red

**WDU 1.5/BLZ/R 5.08**

Negative return conductor in blue

**WDK 2.5/BLZ R 5.08**

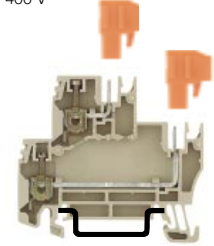
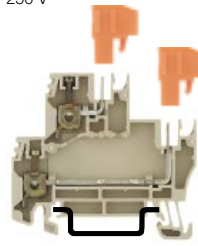
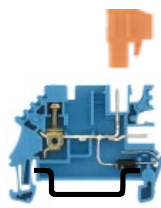
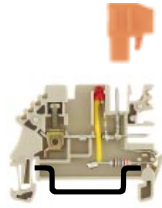
250 V

**WDU 2.5/BLZ R 7.62**

400 V

**WDK 2.5/BLZ R 7.62**

400 V



| 5.08/45,4/57,5*/45,0/55,5   |               | 5.08/45,4/57,5*/45,0/55,5*         |          | 5.08/45,4/57,5*/45,0/55,5*      |   | 5.08/58/53/63,5*                             |     | 7.62/45,4/57,5*/45,0/55,5                               |               | 7.62/58/53/63,5*                             |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
|---|---------------|------------------------------------|----------|---------------------------------|---|--|-----|---|---------------|--|---|--|---|----------|------|---|---------------|-----|---|---------------|-----|---|---------------|-----|---|---------------|-----|---|--|---|----------|------|---|---------------|-----|---|--|---|----------|------|---|---------------|-----|---|--|---|----------|------|---|---------------|-----|---|--|---|----------|------|---|---------------|-----|
| 10 mm/M 2,5/3,5 x 0,6   |               | 10 mm/M 2,5/3,5 x 0,6              |          | 10 mm/M 2,5/3,5 x 0,6           |   | 12 mm/M 2,5/3,5 x 0,6                        |     | 10 mm/M 2,5/3,5 x 0,6                                   |               | 12 mm/M 2,5/3,5 x 0,6                        |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 250 V/10 (2x8) A/1,5 mm <sup>2</sup>  |               | - V/10 (2x8) A/1,5 mm <sup>2</sup> |          | - V/- A/1,5 mm <sup>2</sup>     |   | 250 V/18 <sup>2)</sup> A/2,5 mm <sup>2</sup> |     | 400 V/24(2x12 <sup>2)</sup> (2x8) A/1,5 mm <sup>2</sup> |               | 400 V/20 <sup>2)</sup> A/2,5 mm <sup>2</sup> |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 4 kV/3  |               |                                    |          |                                 |   | 4 kV/3                                       |     | 6 kV/3  |               | 6 kV/3                                       |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 0,4...0,8   |               | 0,4...0,8                          |          | 0,4...0,8                       |   | 0,4...0,8                                    |     | 0,4...0,8   |               | 0,4...0,8                                    |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 1   |               | 1                                  |          | 1                               |   | 1  |     | 1   |               | 1  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 0,5...4/4   |               | 0,5...4/4                          |          | 0,5...4/4                       |   | 0,5...4/4                                    |     | 0,5...4/4   |               | 0,5...4/4                                    |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 1,5...2,5/2,5   |               | 1,5...2,5/2,5                      |          | 1,5...2,5/2,5                   |   | 1,5...2,5/2,5                                |     | 1,5...2,5/2,5   |               | 1,5...2,5/2,5                                |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 0,5...2,5/2,5   |               | 0,5...2,5/2,5                      |          | 0,5...2,5/2,5                   |   | 0,5...2,5/2,5                                |     | 0,5...2,5/2,5   |               | 0,5...2,5/2,5                                |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 0,5...2,5/2,5   |               | 0,5...2,5/2,5                      |          | 0,5...2,5/2,5                   |   | 0,5...2,5/2,5                                |     | 0,5...2,5/2,5   |               | 0,5...2,5/2,5                                |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 0,5...2,5/2,5 <sup>1)</sup>   |               | 0,5...2,5/2,5 <sup>1)</sup>        |          | 0,5...2,5/2,5 <sup>1)</sup>     |   | 0,5...2,5/2,5 <sup>1)</sup>                  |     | 0,5...2,5/2,5   |               | 0,5...2,5/2,5                                |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 0,13...4 A 3/A 3  |               | 0,13...4 A 3/A 3                   |          | 0,13...4 A 3/A 3                |   | 0,13...4 A 3/A 3                             |     | 0,13...4 A 3/A 3  |               | 0,13...4 A 3/A 3                             |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 35  |               | 35                                 |          | 35                              |   | -  |     | 35  |               | -  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 35  |               | 35                                 |          | 35                              |   | -  |     | 35  |               | -  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 300 V/20 (2 x 10) A/26...16 AWG   |               | 300 V/20 (2 x 10) A/26...16 AWG    |          | 300 V/20 (2 x 10) A/26...16 AWG |   | 300 V/10 A/26...12 AWG                       |     | -   |               | -  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| 300 V/10 A/26...12 AWG  |               | 12...110 V/10 A/26...12 AWG        |          | -/-26...12 AWG                  |   | -  |     | -   |               | -  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| <table border="1"> <tr><td>┌</td><td>Cat. No.</td><td>Qty.</td></tr> <tr><td>└</td><td><b>157734</b></td><td>100</td></tr> <tr><td>└</td><td><b>159690</b></td><td>100</td></tr> </table> |               | ┌                                  | Cat. No. | Qty.                            | └ | <b>157734</b>                                | 100 | └   | <b>159690</b> | 100  | <table border="1"> <tr><td>┌</td><td>Cat. No.</td><td>Qty.</td></tr> <tr><td>└</td><td><b>157735</b></td><td>100</td></tr> <tr><td>└</td><td><b>157736</b></td><td>100</td></tr> <tr><td>└</td><td><b>157737</b></td><td>100</td></tr> <tr><td>└</td><td><b>157738</b></td><td>100</td></tr> </table> |  | ┌ | Cat. No. | Qty. | └ | <b>157735</b> | 100 | └ | <b>157736</b> | 100 | └ | <b>157737</b> | 100 | └ | <b>157738</b> | 100 | <table border="1"> <tr><td>┌</td><td>Cat. No.</td><td>Qty.</td></tr> <tr><td>└</td><td><b>157739</b></td><td>100</td></tr> </table> |  | ┌ | Cat. No. | Qty. | └ | <b>157739</b> | 100 | <table border="1"> <tr><td>┌</td><td>Cat. No.</td><td>Qty.</td></tr> <tr><td>└</td><td><b>103440</b></td><td>100</td></tr> </table> |  | ┌ | Cat. No. | Qty. | └ | <b>103440</b> | 100 | <table border="1"> <tr><td>┌</td><td>Cat. No.</td><td>Qty.</td></tr> <tr><td>└</td><td><b>103890</b></td><td>100</td></tr> </table> |  | ┌ | Cat. No. | Qty. | └ | <b>103890</b> | 100 | <table border="1"> <tr><td>┌</td><td>Cat. No.</td><td>Qty.</td></tr> <tr><td>└</td><td><b>103850</b></td><td>100</td></tr> </table> |  | ┌ | Cat. No. | Qty. | └ | <b>103850</b> | 100 |
| ┌   | Cat. No.      | Qty.                               |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>157734</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>159690</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| ┌   | Cat. No.      | Qty.                               |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>157735</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>157736</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>157737</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>157738</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| ┌   | Cat. No.      | Qty.                               |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>157739</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| ┌   | Cat. No.      | Qty.                               |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>103440</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| ┌   | Cat. No.      | Qty.                               |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>103890</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| ┌   | Cat. No.      | Qty.                               |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| └   | <b>103850</b> | 100                                |          |                                 |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| Type  |               | Type                               |          | Type                            |   | Type   |     | Type  |               | Type   |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| With pin <b>157732</b> 50   |               | With pin <b>157732</b> 50          |          | With pin <b>157732</b> 50       |   | With pin <b>107010</b> 20                    |     | With pin <b>157732</b> 50                               |               | With pin <b>107010</b> 20                    |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| Without pin <b>157733</b> 50  |               | Without pin <b>157733</b> 50       |          | Without pin <b>157733</b> 50    |   | Without pin <b>107000</b> 20                 |     | Without pin <b>157733</b> 50                            |               | Without pin <b>107000</b> 20                 |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| With pin <b>106826</b> 10   |               | With pin <b>106826</b> 10          |          | With pin <b>106826</b> 10       |   | With pin <b>107276</b> 10                    |     | With pin <b>107360</b> 10                               |               | With pin <b>107296</b> 10                    |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| Without pin <b>106816</b> 10  |               | Without pin <b>106816</b> 10       |          | Without pin <b>106816</b> 10    |   | Without pin <b>107266</b> 10                 |     | Without pin <b>107350</b> 10                            |               | Without pin <b>107286</b> 10                 |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| WQV 2.5/2 <b>105366</b> 50  |               | WQV 2.5/2 <b>105366</b> 50         |          | WQV 2.5/2 <b>105366</b> 50      |   | WQB A/2 <b>157895</b> 50                     |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| WQV 2.5/3 <b>106376</b> 50  |               | WQV 2.5/3 <b>105376</b> 50         |          | WQV 2.5/3 <b>105376</b> 50      |   | WQB A/3 <b>157896</b> 50                     |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| WQV 2.5/4 <b>105386</b> 50  |               | WQV 2.5/4 <b>105386</b> 50         |          | WQV 2.5/4 <b>105386</b> 50      |   | WQB A/4 <b>157897</b> 50                     |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| WQV 2.5/10 <b>105446</b> 20   |               | WQV 2.5/10 <b>105446</b> 20        |          | WQV 2.5/10 <b>105446</b> 20     |   | WQB A/10 <b>157899</b> 20                    |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| WAW 1 <b>900450</b> -   |               | WAW 1 <b>900450</b> -              |          | WAW 1 <b>900450</b> -           |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| ML-SSch <b>106320</b> 3   |               | ML-SSch <b>106320</b> 3            |          | ML-SSch <b>106320</b> 3         |   |  |     |   |               |  |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| WAD 5/2 <b>157740</b> 20  |               | WAD 5/2 <b>157740</b> 20           |          | WAD 5/2 <b>157740</b> 20        |   | WAD 5/2 <b>157740</b> 20                     |     | WAD 5/2 <b>157740</b> 20                                |               | WAD 5/2 <b>157740</b> 20                     |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| BLZ-KO <b>154571</b> 100  |               | BLZ-KO <b>154571</b> 100           |          | BLZ-KO <b>154571</b> 100        |   | BLZ-KO <b>154571</b> 100                     |     | BLZ-KO <b>154571</b> 100                                |               | BLZ-KO <b>154571</b> 100                     |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| BLZ 4 <b>152666</b> 100   |               | BLZ 4 <b>152666</b> 100            |          | BLZ 4 <b>152666</b> 100         |   | BLZ 4 <b>152666</b> 100                      |     | BLZ 4 <b>162307</b> 100                                 |               | BLZ 4 <b>162307</b> 100                      |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| BLZ 6 <b>152686</b> 50  |               | BLZ 6 <b>152686</b> 50             |          | BLZ 6 <b>152686</b> 50          |   | BLZ 6 <b>152686</b> 50                       |     | BLZ 6 <b>162309</b> 50                                  |               | BLZ 6 <b>162309</b> 50                       |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| BLZ 8 <b>152706</b> 50  |               | BLZ 8 <b>152706</b> 50             |          | BLZ 8 <b>152706</b> 50          |   | BLZ 8 <b>152706</b> 50                       |     | BLZ 8 <b>162311</b> 50                                  |               | BLZ 8 <b>162311</b> 50                       |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| BLZ 4 B <b>152896</b> 100   |               | BLZ 4 B <b>152896</b> 100          |          | BLZ 4 B <b>152896</b> 100       |   | BLZ 4 B <b>152896</b> 100                    |     | BLZ 4 B <b>162340</b> 100                               |               | BLZ 4 B <b>162340</b> 100                    |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| BLZ 6 B <b>152916</b> 50  |               | BLZ 6 B <b>152916</b> 50           |          | BLZ 6 B <b>152916</b> 50        |   | BLZ 6 B <b>152916</b> 50                     |     | BLZ 6 B <b>162342</b> 50                                |               | BLZ 6 B <b>162342</b> 50                     |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| BLZ 8 B <b>152936</b> 50  |               | BLZ 8 B <b>152936</b> 50           |          | BLZ 8 B <b>152936</b> 50        |   | BLZ 8 B <b>152936</b> 50                     |     | BLZ 8 B <b>162344</b> 50                                |               | BLZ 8 B <b>162344</b> 50                     |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| DEK 5 <b>047346</b> -   |               | DEK 5 <b>047346</b> -              |          | DEK 5 <b>047346</b> -           |   | DEK 5 <b>047346</b> -                        |     | DEK 5 <b>047346</b> -                                   |               | DEK 5 <b>047346</b> -                        |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| DEK 5 <b>047356</b> -   |               | DEK 5 <b>047356</b> -              |          | DEK 5 <b>047356</b> -           |   | DEK 5 <b>047356</b> -                        |     | DEK 5 <b>047356</b> -                                   |               | DEK 5 <b>047356</b> -                        |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| WS 12/5 <b>160986</b> -   |               | WS 12/5 <b>160986</b> -            |          | WS 12/5 <b>160986</b> -         |   | WS 12/5 <b>160986</b> -                      |     | WS 12/6,5 <b>160992</b> -                               |               | WS 12/6,5 <b>160992</b> -                    |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |
| WS 12/5 <b>144746</b> -   |               | WS 12/5 <b>144746</b> -            |          | WS 12/5 <b>144746</b> -         |   | WS 12/5 <b>144746</b> -                      |     | WS 12/6,5 <b>156895</b> -                               |               | WS 12/6,5 <b>156895</b> -                    |   |  |   |          |      |   |               |     |   |               |     |   |               |     |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |   |  |   |          |      |   |               |     |

\* With BLZ

<sup>2)</sup> 20 °C ambient temperature





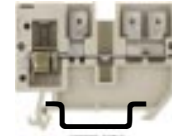
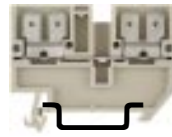
## Feed-through terminals with tab connection

### AST 1

### AST 4

### AST 5

### SAK 4 S/35 SAK 4 SS/35



| Dimensions   |   | AST 1   | AST 4   | AST 5   | SAK 4 S/35<br>SAK 4 SS/35  |
|--|---|---|---|---|--|
| Width/length/height (mm)                                     | With TS 35 x 7,5                            | 6,5/58/46                                       | 6,5/40/40                                       | 6,5/58/46                                       | 6,5/40/49,5  |
| Insulation stripping length/clamping screw/screwdriver blade |   |   | 9 mm/M 2,5/3,5 x 0,6                            | 12 mm/M 3/3,5 x 0,6                             | 12 mm/M 3/3,5 x 0,6  |
| Rated data   |   |   |   |   |  |
| Rated voltage/rated current/rated cross-section              |   | 500 V <sup>1</sup> / - /2,5/1,0 mm <sup>2</sup> | 500 V <sup>1</sup> / - /2,5/1,0 mm <sup>2</sup> | 500 V <sup>1</sup> / - /2,5/1,0 mm <sup>2</sup> | 500 V/16 A/2,5/1,0 mm <sup>2</sup>   |
| Rated impulse voltage / pollution severity                   |   | 6 kV/3  | 6 kV/3  | 6 kV/3  | 6 kV/3   |
| Further technical data                                       |   |   |   |   |  |
| Tightening torque range                                      | Nm  |   | 0,4...0,7                                       | 0,5...1,0                                       | 0,5...1,0  |
| Torque setting with DMS2 electric screwdriver                |   |   | 1   | 2   | 2  |
| Clampable conductor  |   |   |   |   |  |
| solid H07V-U   | mm <sup>2</sup>                             |   | 0,5...4   | 0,5...6   | 0,5...6  |
| stranded H07V-R  | mm <sup>2</sup>                             |   | 1,5...2,5                                       | 1,5...2,5                                       | 1,5...2,5  |
| flexible H07V-K  | mm <sup>2</sup>                             |   | 0,5...2,5                                       | 0,5...4   | 0,5...4  |
| flexible H07V-K and AEH DIN 46 228/1                         | mm <sup>2</sup>                             |   | 0,5...2,5                                       | 0,5...4   | 0,5...4  |
| Gauge pin to IEC 947-1/1988                                  | Size  |   | A 2   | A 4   | A 4  |
| Continuous current of terminal block for conductor size      |   |   |   |   |  |
| Continuous current of cross-connection                       | 2-pole                                      | (QL 2...10) 36                                  | (QL 2...10) 36                                  | (QL 2...10) 36                                  | (QL 2...10) 36   |
| Continuous current of cross-connection                       | multipole                                   |   |   |   |  |
| UL / CSA rated data  |   |   |   |   |  |
| Voltage / current / conductor size                           | UL  | 300 V/13 A/-                                    | 300 V/13 A/22...12 AWG                          | 300 V/13 A/22...12 AWG                          | 300 V/13 A/22...12 AWG   |
| Voltage / current / conductor size                           | CSA   | 300 V/16 A/-                                    | 300 V/16 A/24...12 AWG                          | 300 V/16 A/24...12 AWG                          | 300 V/16 A/24...12 AWG   |
| Ordering data  |   |   |   |   |  |
|  | Version                                     |   |   |   |  |
|  | Slotted Wemid                               | Cat. No. Qty.                                   | Cat. No. Qty.                                   | Cat. No. Qty.                                   | Cat. No. Qty.  |
|  | Unslotted Wemid                             | <b>069960</b> 50                                | <b>046040</b> 100                               | <b>066490</b> 50                                | <b>SAK 4 S 063030</b> 100  |
|  |   | <b>066480</b> 50                                | <b>047940</b> 100                               | <b>069970</b> 50                                | (screw-/tab-connection)<br><b>SAK 4 SS 063040</b> 100<br><b>SAK 4 SS 064690</b> 100<br>(tab-/tab-connection) |
| End plate / Partition/Small partition (Thickness mm)         |   |   |   |   |  |
|  | Wemid                                       | Type Cat. No. Qty.                              | Type Cat. No. Qty.                              | Type Cat. No. Qty.                              | Type Cat. No. Qty.   |
|  | AP  | AP (1,5) <b>026640</b> 20                       | AP (1,5) <b>046049</b> 20                       | AP (1,5) <b>026640</b> 20                       | AP (1,5) <b>010510</b> 20  |
|  | TSch  | TSch 1 <b>031916</b> 100                        | TSch 1 <b>031916</b> 100                        | TSch 1 <b>031916</b> 100                        | TSch 1 <b>031916</b> 100   |
| Cross-connection   |   |   |   |   |  |
|  | Q 3   | 2-pole Q 2 <b>033670</b> 50                     | Q 2 <b>033670</b> 50                            | Q 2 <b>033670</b> 50                            | QL 2 <b>013060</b> 100   |
|  | QL  | 3-pole Q 3 <b>033680</b> 50                     | Q 3 <b>033680</b> 50                            | Q 3 <b>033680</b> 50                            | QL 3 <b>013070</b> 100   |
|  | BS  | 4-pole Q 4 <b>033690</b> 50                     | Q 4 <b>033690</b> 50                            | Q 4 <b>033690</b> 50                            | QL 4 <b>013080</b> 50  |
|  |   | 10-pole Q 10 <b>036880</b> 20                   | Q 10 <b>036880</b> 20                           | Q 10 <b>036880</b> 20                           | QL 10 <b>033820</b> 20   |
|  |   | 25-pole   |   |   | BS M 3x4,5 <b>159321</b> 100   |
| Plug adaptor   |   |   |   |   |  |
|  |   |   | STA 2.5/2 <b>016586</b> 100                     |   |  |
|  |   |   | STA 2.5/3 <b>016596</b> 50                      |   |  |
|  |   |   | STA 2.5/4 <b>019036</b> 50                      |   |  |
|  |   |   | STA 2.5/5 <b>016606</b> 50                      |   |  |
|  |   |   | STA 2.5/8 <b>016616</b> 50                      |   |  |
| Test plug/Socket   |   |   |   |   |  |
|  | Plug test socket without using QL for TS 32 | StB 14 <b>016860</b> 50                         | StB 14 <b>016860</b> 50                         | StB 14 <b>016860</b> 50                         |  |
|  | PS  | PS 2.3 <b>018040</b> 20                         | PS 2.3 <b>018040</b> 20                         | PS 2.3 <b>018040</b> 20                         |  |
|  | StB   |   |   |   |  |
| Insulation sleeve  |   |   |   |   |  |
|  | IH 2.8                                      | <b>038606</b> 100                               | <b>038606</b> 100                               | <b>038606</b> 100                               | <b>038606</b> 100  |
|  | IH 6.3                                      | <b>038626</b> 100                               | <b>038626</b> 100                               | <b>038626</b> 100                               | <b>038626</b> 100  |
| Marking tags   |   |   |   |   |  |
|  | Print                                       | FW 6.5 <b>046816</b> -                          | FW 6 <b>046866</b> -                            | FW 6.5 <b>046816</b> -                          | FW 6.5 <b>046816</b> -   |
|  | Consecutive horizontal                      |   |   |   |  |
|  | Consecutive vertical                        |   |   |   |  |

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> With insulation sleeve

<sup>2)</sup> Shock-proof with ADP4 cover profile (see page 3/21)

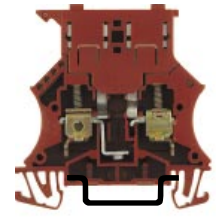
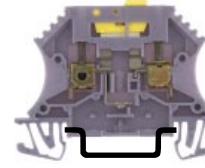
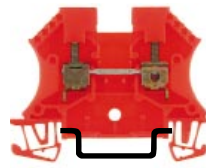
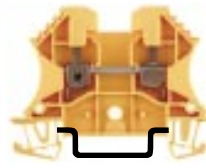
## Terminal blocks coloured

## WDU 2.5

## WDU 4

## WTR 2.5

## WSI 6



Max. Technical Data

| Dimensions   |                  |
|--|------------------|
| Width/length/height (mm)                                     | With TS 35 x 7,5 |
| Insulation stripping length/clamping screw/screwdriver blade |                  |
| Rated data VDE 0611 Part 1/8.92/IEC 947-7-1                  |                  |
| Rated voltage/rated current/rated cross-section              |                  |
| Rated impulse voltage / pollution severity                   |                  |

### Further technical data

#### UL / CSA rated data

|                                    |     |
|------------------------------------|-----|
| Voltage / current / conductor size | UL  |
| Voltage / current / conductor size | CSA |

#### Ordering data

| Version      | Best.Nr. | Qty. |
|--------------|----------|------|
| Wemid        | 102000   | 100  |
| Blue Wemid   | 102008   | 100  |
| Yellow Wemid | 102002   | 100  |
| Green Wemid  | 102009   | 100  |
| Brown Wemid  | 103771   | 100  |
| Grey Wemid   | 103772   | 100  |
| White Wemid  | 103680   | 100  |
| Orange PA    | 102006   | 100  |
| Red PA       | 102004   | 100  |
| Violet PA    | 103770   | 100  |
| Black PA     | 102001   | 100  |

#### End plate / partition

WAP (Thickness 1,5 mm)



WTW

| Type         | Cat. No. | Qty. |
|--------------|----------|------|
| Wemid        | 105000   | 50   |
| Blue Wemid   | 105008   | 50   |
| Yellow Wemid | 105002   | 50   |
| Green Wemid  | 107220   | 50   |
| Brown Wemid  | 105007   | 50   |
| Grey Wemid   | 105005   | 50   |
| White Wemid  | 105009   | 50   |
| Orange PA    | 105006   | 50   |
| Red PA       | 105004   | 50   |
| Violet PA    | 107221   | 50   |
| Black PA     | 105001   | 50   |
| Wemid        | 105010   | 20   |
| Blue Wemid   | 105018   | 20   |

#### Cross-connection

| WQV    | WQB 8/24 | Screen lug LS 2.8 | 2 pol. | 3 pol.   | 4 pol. | 10 pol. |    |
|--------|----------|-------------------|--------|----------|--------|---------|----|
| 169380 | 60       | 105366            | 50     | 169381   | 60     | 105376  | 50 |
| 169382 | 60       | 105386            | 50     | 169388   | 20     | 105446  | 20 |
| 169388 | 20       | 105446            | 20     | WQB B/24 | 157906 | 20      |    |
| LS 2.8 | 105640   | 50                | WAW 1  | 900450   | -      |         |    |

Notching tools:

WAW 1 for WQV

WAW 2 to notch the punch-out in the terminal moulding

#### Test adapter

| WTA      | TA 1   |    |
|----------|--------|----|
| WTA 2    | 163232 | 50 |
| WTA 2/ZA | 163233 | 50 |
| WTA 2/10 | 163234 | 5  |
| ZE 1     | 163215 | 50 |
| WTA 3    | 163235 | 50 |
| WTA 3/ZA | 163236 | 50 |
| WTA 3/10 | 163237 | 5  |
| ZE 1     | 163215 | 50 |

#### Test plug/Socket

| PS 2.3          | SIB 8.5 |    |
|-----------------|---------|----|
| PS 2.3 (ø 2,3)  | 018040  | 20 |
| PS 2.0 (ø 2,0)  | 029380  | 20 |
| SIB 8.5 (ø 2,3) | 021570  | 50 |
| SIB 8.5 (ø 2,0) | 126980  | 50 |

Screwdriver SDIK for StB Cat.No.: 902493

#### Cover

WAD with symbol

WAD white, for self-labeling

#### Group marking

| T 5   | WGB    |      |
|-------|--------|------|
| WGB 5 | 105076 | 50   |
| T 5   | 034850 | 100  |
| SF 10 | 033240 | 1000 |
| SG 10 | 033250 | 1000 |

Tag carrier for S 10 markers

#### Marking tags

| DEK     | Print  |   |
|---------|--------|---|
| DEK 5   | 047346 | - |
| DEK 5   | 047356 | - |
| WS 12/5 | 160986 | - |
| DEK 6   | 046866 | - |
| DEK 6   | 047356 | - |
| WS 12/6 | 160990 | - |

For further accessories see section 3, further marking material see section 8

\* with StB 2.3 \*\* Rated current limited to 1 A when used with diode-plug

\*\*\* Max. power loss 1,6 W

| Type                           | Cat. No. | Qty. |
|--------------------------------|----------|------|
| 32 A/4 mm <sup>2</sup>         |          |      |
| 5/60/47                        |          |      |
| 10 mm/M 2,5/3,5 x 0,6          |          |      |
| 800 V/24 A/2,5 mm <sup>2</sup> |          |      |
| 8 kV/3                         |          |      |
| see Page 2/5                   |          |      |
| 600 V/25 A/22...12 AWG         |          |      |
| 600 V/20 A/26...12 AWG         |          |      |

| Type                          | Cat. No. | Qty. |
|-------------------------------|----------|------|
| 46 A/6 mm <sup>2</sup>        |          |      |
| 6/60/47                       |          |      |
| 10 mm/M 3 /3,5 x 0,6          |          |      |
| 800 V/32 A /4 mm <sup>2</sup> |          |      |
| 8 kV/3                        |          |      |
| see Page 2/7                  |          |      |
| 600 V/35 A/22...10 AWG        |          |      |
| 600 V/35 A/26...10 AWG        |          |      |

| Type                             | Cat. No. | Qty. |
|----------------------------------|----------|------|
| 16 A/1,5 mm <sup>2</sup>         |          |      |
| 5/60/49                          |          |      |
| 10 mm/M 2,5/3*/3,5 x 0,6         |          |      |
| 800 V/16 A**/1,5 mm <sup>2</sup> |          |      |
| 6 kV/3                           |          |      |
| see Page 2/20                    |          |      |
| 300 V/10 A/22...12 AWG           |          |      |
| 300 V/10 A/26...12 AWG           |          |      |

| Type                             | Cat. No. | Qty. |
|----------------------------------|----------|------|
| 6,3 A/-                          |          |      |
| 8/60/60                          |          |      |
| 12 mm/M 3,5/4,0 x 0,8            |          |      |
| 500 V~/6,3 A**/6 mm <sup>2</sup> |          |      |
| 6 kV/3                           |          |      |
| see Page 2/32                    |          |      |
| 300 V/10 A/20...8 AWG            |          |      |
| 300 V/10 A/20...8 AWG            |          |      |

| Type       | Cat. No. | Qty. |
|------------|----------|------|
| WAP 2.5-10 | 105000   | 50   |
| WAP 2.5-10 | 105008   | 50   |
| WAP 2.5-10 | 105002   | 50   |
| WAP 2.5-10 | 107220   | 50   |
| WAP 2.5-10 | 105007   | 50   |
| WAP 2.5-10 | 105005   | 50   |
| WAP 2.5-10 | 105009   | 50   |
| WAP 2.5-10 | 105006   | 50   |
| WAP 2.5-10 | 105004   | 50   |
| WAP 2.5-10 | 107221   | 50   |
| WAP 2.5-10 | 105001   | 50   |
| WTW 2.5-10 | 105010   | 20   |
| WTW 2.5-10 | 105018   | 20   |

| Type       | Cat. No. | Qty. |
|------------|----------|------|
| WAP 2.5-10 | 105000   | 50   |
| WAP 2.5-10 | 105008   | 50   |
| WAP 2.5-10 | 105002   | 50   |
| WAP 2.5-10 | 107220   | 50   |
| WAP 2.5-10 | 105007   | 50   |
| WAP 2.5-10 | 105005   | 50   |
| WAP 2.5-10 | 105009   | 50   |
| WAP 2.5-10 | 105006   | 50   |
| WAP 2.5-10 | 105004   | 50   |
| WAP 2.5-10 | 107221   | 50   |
| WAP 2.5-10 | 105001   | 50   |
| WTW 2.5-10 | 105010   | 20   |
| WTW 2.5-10 | 105018   | 20   |

| Type       | Cat. No. | Qty. |
|------------|----------|------|
| WAP 2.5-10 | 105000   | 50   |
| WAP 2.5-10 | 105008   | 50   |
| WAP 2.5-10 | 105002   | 50   |
| WAP 2.5-10 | 107220   | 50   |
| WAP 2.5-10 | 105007   | 50   |
| WAP 2.5-10 | 105005   | 50   |
| WAP 2.5-10 | 105009   | 50   |
| WAP 2.5-10 | 105006   | 50   |
| WAP 2.5-10 | 105004   | 50   |
| WAP 2.5-10 | 107221   | 50   |
| WAP 2.5-10 | 105001   | 50   |
| WTW 2.5-10 | 105010   | 20   |
| WTW 2.5-10 | 105018   | 20   |

| Type       | Cat. No. | Qty. |
|------------|----------|------|
| WAP 2.5-10 | 105000   | 50   |
| WAP 2.5-10 | 105008   | 50   |
| WAP 2.5-10 | 105002   | 50   |
| WAP 2.5-10 | 107220   | 50   |
| WAP 2.5-10 | 105007   | 50   |
| WAP 2.5-10 | 105005   | 50   |
| WAP 2.5-10 | 105009   | 50   |
| WAP 2.5-10 | 105006   | 50   |
| WAP 2.5-10 | 105004   | 50   |
| WAP 2.5-10 | 107221   | 50   |
| WAP 2.5-10 | 105001   | 50   |
| WTW 2.5-10 | 105010   | 20   |
| WTW 2.5-10 | 105018   | 20   |

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| WQV 4/2  | 105196   | 50   |
| WQV 4/3  | 105456   | 50   |
| WQV 4/4  | 105466   | 50   |
| WQV 4/10 | 105206   | 20   |
| LS 2.8   | 105640   | 50   |
| WAW 1    | 900450   | -    |

| Type           | Cat. No. | Qty. |
|----------------|----------|------|
| QL 2           | 021580   | 100  |
| QL 3           | 021590   | 100  |
| QL 4           | 021600   | 50   |
| QL 10          | 033800   | 20   |
| BS-M 2,5 x 4,5 | 106270   | 100  |

| Type                  | Cat. No. | Qty. |
|-----------------------|----------|------|
| WSD 2,5 -K+           | 105846   | 25   |
| WSD 2,5 +D+           | 105856   | 25   |
| WSD 2,5 <sup>1)</sup> | 105866   | 25   |
| WSD 2,5 <sup>2)</sup> | 105876   | 25   |

| Type       | Cat. No. | Qty. |
|------------|----------|------|
| QL 2       | 019430   | 50   |
| QL 3       | 019440   | 50   |
| QL 4       | 019450   | 50   |
| QL 10      | 033830   | 20   |
| BS-M 3 x 5 | 105210   | 100  |
| WAW 2      | 900451   | -    |

Fuse cartridges 5 x 20 and Fuse cartridges 5 x 25 see Page 2/93

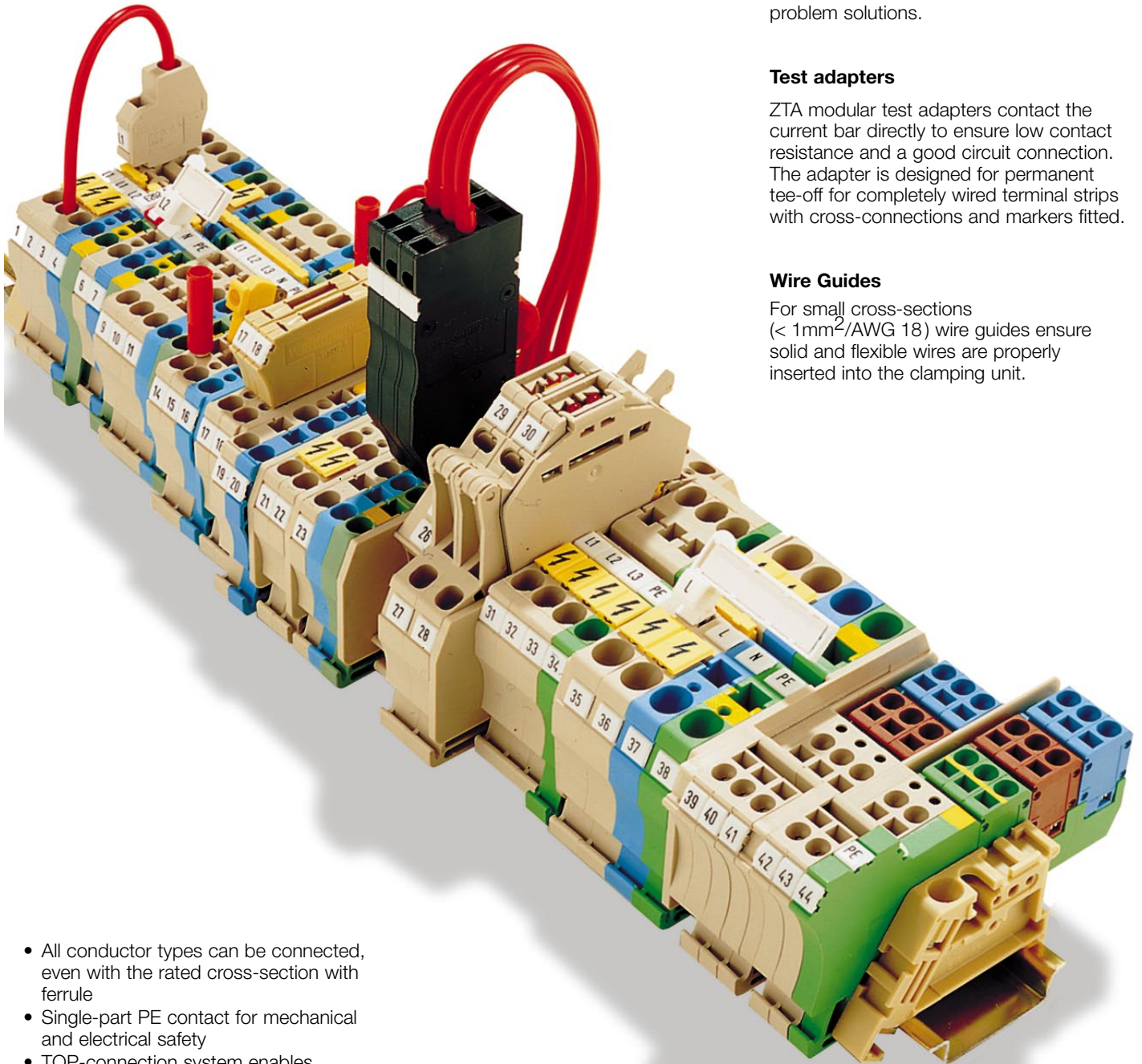
#### Diode plug

|                       |        |    |
|-----------------------|--------|----|
| WSD 2,5 -K+           | 105846 | 25 |
| WSD 2,5 +D+           | 105856 | 25 |
| WSD 2,5 <sup>1)</sup> | 105866 | 25 |
| WSD 2,5 <sup>2)</sup> | 105876 | 25 |

<sup>1)</sup> With wire bridge

<sup>2)</sup> Without special parts

## Z series system advantages



Useful accessories for user-orientated problem solutions.

### Test adapters

ZTA modular test adapters contact the current bar directly to ensure low contact resistance and a good circuit connection. The adapter is designed for permanent tee-off for completely wired terminal strips with cross-connections and markers fitted.

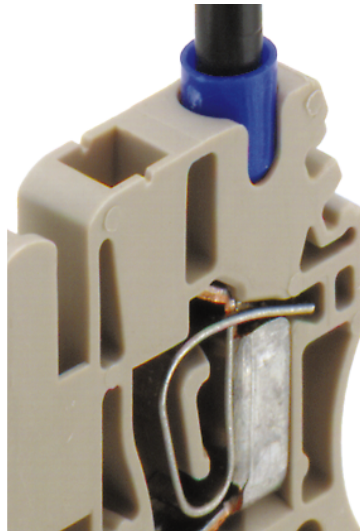
### Wire Guides

For small cross-sections (< 1mm<sup>2</sup>/AWG 18) wire guides ensure solid and flexible wires are properly inserted into the clamping unit.

- All conductor types can be connected, even with the rated cross-section with ferrule
- Single-part PE contact for mechanical and electrical safety
- TOP-connection system enables
  - easy access to clamping points
  - fast connection
  - clear arrangement
- Time-saving plug-in 2...10-pole cross connect links
- Integrated test point
- Wemid-insulating material
  - Non-tracking KC > 600
  - Heat resistant 120 °C
  - Self-extinguishing V0 to UL
  - Contains no harmful substances

## Marking systems

The marker mounting channel is arranged in the centre of the terminal to prevent connected conductors from obscuring the markings. Marking can take place with Weidmüller dekafix and newly developed ZS hinged marker systems. The hinged marker is designed for up to eight-digit marking and is simply snap-fitted stripwise into the marking channel and placed over the cross-connection channels. Identification of functional groups can take place with ZGB group tag carriers.



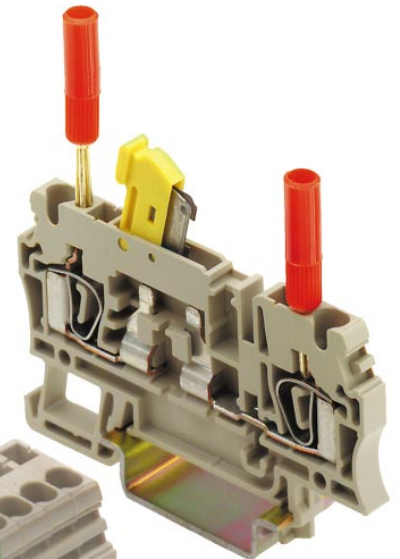
The large **terminal aperture size** (test with gauge pins according to IEC 947-1) results in space savings and installed cost advantages, as the rated cross-section with ferrules fitted is connectable.

## Cross-connection system

Rational wiring is possible with two to ten-pole ZQV, completely shock-hazard protected units; no small partitions or end cover plates for adjacent cross-connections are necessary. Up to forty connection points can be applied to a potential with only one cross-connection unit. The cross-connections can be loaded with the rated current of the corresponding cross-section. By breaking out individual or several contact elements, several terminals can be skipped to suit the particular application. For control-circuit terminals with two connection points, two parallel cross-connection channels are available. This enables two potentials to be routed within the terminal. Only in the case of these two applications does the rated voltage reduce from 800 V to 400 V. By means of prefitted adapters from the W series to the screwless Z series, combined use of both families on one mounting rail is possible. Connection of the WDU 6 or WDU 10 to the Z series takes place with the ZQW 1 adapter. From the WDU 16 or WDU 35, the connection is realised with the ZQW 2.

With the **ZPE protective conductor terminal**, efficient contact to the mounting rail is established by simply snap-fitting the spring-loaded metal foot.

The one-piece construction of the metal parts enables lateral movement of the terminal without damaging the PE contact.



## ZTR disconnect test terminals

feature integral test sockets for PS 2.3 test plugs. The easy to operate disconnect lever clearly shows the disconnected or closed position.

Feed-through terminals and disconnect terminals or disconnect terminals as such can be cross connected.

Fitting instructions for the Z series, Type ZMO1; Cat. no. 16108



## Feed-through terminal blocks and terminal blocks with electronic components

### ZDU 2.5-2/3AN

### ZDU 2.5-2/4AN

### ZDU 2.5 ZDU 2.5/10

### ZDU 2.5/3AN ZDU 2.5/3AN/10



#### Max. Technical Data

| Dimensions   |                                    |
|--|------------------------------------|
| Width / length / height (mm)   | with TS 35 x 7,5                   |
| Insulation stripping length  | mm                                 |
| VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989                    |                                    |
| Rated voltage / current / cross-section                              |                                    |
| Rated impulse voltage / pollution severity                           |                                    |
| Further technical data   |                                    |
| Clampable conductor:   |                                    |
| solid H07V-U   | mm <sup>2</sup>                    |
| flexible H07V-K  | mm <sup>2</sup>                    |
| with ferrule to DIN46 228/1**  | mm <sup>2</sup>                    |
| with ferrule with plastic insulating collar**                        | mm <sup>2</sup>                    |
| Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988 | Size                               |
| Continuous current rating of cross-connection 2-pole                 | A                                  |
| Continuous current rating of cross-connection multipole              | A                                  |
| UL / CSA rated data  |                                    |
| Voltage / current / conductor size                                   | UL                                 |
| Voltage / current / conductor size                                   | CSA                                |
| Ordering data  |                                    |
|  | <b>Version</b>                     |
|  | Beige Wemid                        |
|  | Blue Wemid                         |
|  | Orange PA                          |
|  | Terminal block 10-pole Wemid       |
|  | Terminal block printed 1...9 Wemid |

| 24 A/2,5 mm <sup>2</sup>       |                   |
|--------------------------------|-------------------|
| 5/50,5/43                      |                   |
| 10                             |                   |
| 800 V/24 A/2,5 mm <sup>2</sup> |                   |
| 8 kV/3                         |                   |
| 0,5...2,5                      |                   |
| 0,5...2,5                      |                   |
| 0,5...1,5 <sup>1)</sup>        |                   |
| 0,5...1,5                      |                   |
| 0,13...2,5                     | A2                |
| 24                             |                   |
| 24                             |                   |
| - *                            |                   |
| - *                            |                   |
| Type                           | Cat. No. Qty.     |
| ZDU 2.5-2/3AN                  | <b>170601</b> 100 |
| ZDU 2.5-2/3AN BL               | <b>170604</b> 100 |
| ZDU 2.5-2/3AN OR               | <b>170605</b> 100 |

| 24 A/2,5 mm <sup>2</sup>       |                   |
|--------------------------------|-------------------|
| 5/50,5/43                      |                   |
| 10                             |                   |
| 800 V/24 A/2,5 mm <sup>2</sup> |                   |
| 8 kV/3                         |                   |
| 0,5...2,5                      |                   |
| 0,5...2,5                      |                   |
| 0,5...1,5 <sup>1)</sup>        |                   |
| 0,5...1,5                      |                   |
| 0,13...2,5                     | A2                |
| 24                             |                   |
| 24                             |                   |
| - *                            |                   |
| - *                            |                   |
| Type                           | Cat. No. Qty.     |
| ZDU 2.5-2/4AN                  | <b>170606</b> 100 |
| ZDU 2.5-2/4AN BL               | <b>170607</b> 100 |
| ZDU 2.5-2/4AN OR               | <b>170608</b> 100 |

| 31 A/4 mm <sup>2</sup>         |                   |
|--------------------------------|-------------------|
| 5/59,5/39                      |                   |
| 10                             |                   |
| 800 V/24 A/2,5 mm <sup>2</sup> |                   |
| 8 kV/3                         |                   |
| 0,5...4                        |                   |
| 0,5...4                        |                   |
| 0,5...2,5                      |                   |
| 0,5...2,5                      |                   |
| 0,13...4                       | A3                |
| 24                             |                   |
| 24                             |                   |
| 600 V/25 A/26...12 AWG         |                   |
| 600 V/27 A/26...12 AWG         |                   |
| Type                           | Cat. No. Qty.     |
| ZDU 2.5                        | <b>160851</b> 100 |
| ZDU 2.5BL                      | <b>160852</b> 100 |
| ZDU 2.5OR                      | <b>163678</b> 100 |
| ZDU 2.5/10                     | <b>162695</b> 10  |
| ZDU 2.5/10/BEZ                 | <b>165187</b> 10  |

| 31 A/4 mm <sup>2</sup>         |                   |
|--------------------------------|-------------------|
| 5/64/39                        |                   |
| 10                             |                   |
| 800 V/24 A/2,5 mm <sup>2</sup> |                   |
| 8 kV/3                         |                   |
| 0,5...4                        |                   |
| 0,5...4                        |                   |
| 0,5...2,5                      |                   |
| 0,5...2,5                      |                   |
| 0,13...4                       | A3                |
| 24                             |                   |
| 24                             |                   |
| 600 V/25 A/26...12 AWG         |                   |
| 600 V/27 A/26...12 AWG         |                   |
| Type                           | Cat. No. Qty.     |
| ZDU 2.5/3AN                    | <b>160854</b> 100 |
| ZDU 2.5/3AN BL                 | <b>160855</b> 100 |
| ZDU 2.5/3AN OR                 | <b>163679</b> 100 |
| ZDU 2.5/3AN/10                 | <b>162696</b> 10  |
| ZDU 2.5/3AN/10/BEZ             | <b>165188</b> 10  |

| End plate / partition |                |
|-----------------------|----------------|
| ZAP/TW                | <b>Version</b> |
|                       | Beige Wemid    |
|                       | Blue Wemid     |
|                       | Orange PA      |

| Cross-connection |                |
|------------------|----------------|
| ZQV              | <b>Version</b> |
|                  | ZAP/TW7        |
|                  | ZAP/TW7BL      |
|                  | ZAP/TW7OR      |
| ZQV              | ZQB 2.5        |

Connection of Z-series with WDU 6/WDU 10 by means of adapter type ZQW 1, with WDU 16/WDU 35 by adapter type ZQW 2

| Test adapter |                |
|--------------|----------------|
| ZTA          | <b>Version</b> |
|              | Without pin    |
|              | With pin       |
|              | PS             |
|              | TA             |

| Screwdriver      |  |
|------------------|--|
| SD to DIN 5264-A |  |
| Screen lug       |  |
| LS 2.8           |  |

| Cover         |                              |
|---------------|------------------------------|
| ZAD           |                              |
| Group marking |                              |
| ZGB           |                              |
| ESO           | Blank snap-on tag            |
| STR           | Transparent protective cover |

| Reducing sleeves***                          |                        |
|--|------------------------|
| ZRH for conductor 0,13...0,2 mm <sup>2</sup> | White                  |
| ZRH for conductor 0,25...0,5 mm <sup>2</sup> | Grey                   |
| ZRH for conductor 0,75...1 mm <sup>2</sup>   | Dark grey              |
| Marking tags                                 |                        |
| DEK  | Consecutive horizontal |
| DEK  | Consecutive vertical   |
| ZS 10  | Blank                  |
| ZS 10  | Printed                |

|              |                   |
|--------------|-------------------|
| ZAP/TW7      | <b>170611</b> 50  |
| ZAP/TW7BL    | <b>170612</b> 50  |
| ZAP/TW7OR    | <b>170613</b> 50  |
| ZQV 2.5/2    | <b>160886</b> 60  |
| ZQV 2.5/3    | <b>160887</b> 60  |
| ZQV 2.5/4    | <b>160888</b> 60  |
| ZQV 2.5/5    | <b>160889</b> 20  |
| ZQV 2.5/6    | <b>160890</b> 20  |
| ZQV 2.5/7    | <b>160891</b> 20  |
| ZQV 2.5/8    | <b>160892</b> 20  |
| ZQV 2.5/9    | <b>160893</b> 20  |
| ZQV 2.5/10   | <b>160894</b> 20  |
| ZQV 2.5/50   | <b>169754</b> 20  |
| ZTA 4/ZA     | <b>168811</b> 25  |
| TA 1         | <b>053586</b> 20  |
| SD 0,6 x 3,5 | <b>902423</b> 1   |
| LS 2.8       | <b>105640</b> 50  |
| ZAD 1/4      | <b>160911</b> 20  |
| ZGB 30       | <b>161193</b> 20  |
| ESO 7        | <b>160772</b> 240 |
| STR 7        | <b>051530</b> 20  |
| ZRH 1.5H/1   | <b>167881</b> 100 |
| ZRH 1.5H/2   | <b>167880</b> 100 |
| ZRH 1.5H/3   | <b>167879</b> 100 |
| DEK 5        | <b>047346</b> 500 |
| DEK 5        | <b>047356</b> 500 |
| ZS 10/5      | <b>161000</b> 480 |
| ZS 10/5      | <b>161001</b> 480 |

|              |                   |
|--------------|-------------------|
| ZAP/TW7      | <b>170611</b> 50  |
| ZAP/TW7BL    | <b>170612</b> 50  |
| ZAP/TW7OR    | <b>170613</b> 50  |
| ZQB 2.5      | <b>167712</b> 50  |
| ZTA 4/ZA     | <b>168811</b> 25  |
| TA 1         | <b>053586</b> 20  |
| SD 0,6 x 3,5 | <b>902423</b> 1   |
| LS 2.8       | <b>105640</b> 50  |
| ZAD 1/4      | <b>160911</b> 20  |
| ZGB 30       | <b>161193</b> 20  |
| ESO 7        | <b>160772</b> 240 |
| STR 7        | <b>051530</b> 20  |
| ZRH 1.5H/1   | <b>167881</b> 100 |
| ZRH 1.5H/2   | <b>167880</b> 100 |
| ZRH 1.5H/3   | <b>167879</b> 100 |
| DEK 5        | <b>047346</b> 500 |
| DEK 5        | <b>047356</b> 500 |
| ZS 10/5      | <b>161000</b> 480 |
| ZS 10/5      | <b>161001</b> 480 |

|              |                   |
|--------------|-------------------|
| ZAP/TW1      | <b>160874</b> 50  |
| ZAP/TW1BL    | <b>160875</b> 50  |
| ZAP/TW1OR    | <b>160876</b> 50  |
| ZQV 2.5/2    | <b>160886</b> 60  |
| ZQV 2.5/3    | <b>160887</b> 60  |
| ZQV 2.5/4    | <b>160888</b> 60  |
| ZQV 2.5/5    | <b>160889</b> 20  |
| ZQV 2.5/6    | <b>160890</b> 20  |
| ZQV 2.5/7    | <b>160891</b> 20  |
| ZQV 2.5/8    | <b>160892</b> 20  |
| ZQV 2.5/9    | <b>160893</b> 20  |
| ZQV 2.5/10   | <b>160894</b> 20  |
| ZQV 2.5/50   | <b>169754</b> 20  |
| ZQW 1        | <b>161143</b> 5   |
| ZQW 2        | <b>161144</b> 5   |
| ZTA 1        | <b>160904</b> 25  |
| ZTA 1/ZA     | <b>160905</b> 25  |
| PS 2.3       | <b>018040</b> 20  |
| PS 2.0       | <b>029380</b> 20  |
| TA 1         | <b>053586</b> 20  |
| SD 0,6 x 3,5 | <b>902423</b> 1   |
| ZAD 1/4      | <b>160911</b> 20  |
| ZGB 30       | <b>161193</b> 20  |
| ESO 7        | <b>160772</b> 240 |
| STR 7        | <b>051530</b> 20  |
| ZRH 2.5/1    | <b>161430</b> 100 |
| ZRH 2.5/2    | <b>161429</b> 100 |
| ZRH 2.5/3    | <b>161428</b> 100 |
| DEK 5        | <b>047346</b> 500 |
| DEK 5        | <b>047356</b> 500 |
| ZS 10/5      | <b>161000</b> 480 |
| ZS 10/5      | <b>161001</b> 480 |

|              |                   |
|--------------|-------------------|
| ZAP/TW2      | <b>160877</b> 50  |
| ZAP/TW2BL    | <b>160878</b> 50  |
| ZAP/TW2OR    | <b>160879</b> 50  |
| ZQV 2.5/2    | <b>160886</b> 60  |
| ZQV 2.5/3    | <b>160887</b> 60  |
| ZQV 2.5/4    | <b>160888</b> 60  |
| ZQV 2.5/5    | <b>160889</b> 20  |
| ZQV 2.5/6    | <b>160890</b> 20  |
| ZQV 2.5/7    | <b>160891</b> 20  |
| ZQV 2.5/8    | <b>160892</b> 20  |
| ZQV 2.5/9    | <b>160893</b> 20  |
| ZQV 2.5/10   | <b>160894</b> 20  |
| ZQV 2.5/50   | <b>169754</b> 20  |
| ZQW 1        | <b>161143</b> 5   |
| ZQW 2        | <b>161144</b> 5   |
| ZTA 1        | <b>160904</b> 25  |
| ZTA 1/ZA     | <b>160905</b> 25  |
| PS 2.3       | <b>018040</b> 20  |
| PS 2.0       | <b>029380</b> 20  |
| TA 1         | <b>053586</b> 20  |
| SD 0,6 x 3,5 | <b>902423</b> 1   |
| ZAD 1/4      | <b>160911</b> 20  |
| ZGB 30       | <b>161193</b> 20  |
| ESO 7        | <b>160772</b> 240 |
| STR 7        | <b>051530</b> 20  |
| ZRH 2.5/1    | <b>161430</b> 100 |
| ZRH 2.5/2    | <b>161429</b> 100 |
| ZRH 2.5/3    | <b>161428</b> 100 |
| DEK 5        | <b>047346</b> 500 |
| DEK 5        | <b>047356</b> 500 |
| ZS 10/5      | <b>161000</b> 480 |
| ZS 10/5      | <b>161001</b> 480 |

See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for  
\*\* Ferrules crimped gas-tight

<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

**ZDU 2.5/4AN**  
**ZDU 2.5/4AN/10**

**ZDU 2.5/2 x 2 AN**  
**ZDU 2.5/2 x 2 AN/10**

**ZDU 2.5/2 x 2 AN/D**

**ZDU 2.5/2x2 AN/LD**

**ZDU 4**  
**ZDU 4/10**

**ZDU 6**  
**ZDU 6/10**



|                                |
|--------------------------------|
| 30 A/4 mm <sup>2</sup>         |
| 5/79/39                        |
| 10                             |
| 800 V/24 A/2,5 mm <sup>2</sup> |
| 8 kV/3                         |
| 0,5...4                        |
| 0,5...4                        |
| 0,5...2,5                      |
| 0,5...2,5                      |
| 0,13...4                       |
| A3                             |
| 24                             |
| 24                             |
| 600 V/25 A/26...12 AWG         |
| 600 V/27 A/26...12 AWG         |
| Type Cat. No. Qty.             |
| ZDU 2.5/4AN 160857 100         |
| ZDU 2.5/4AN BL 160858 100      |
| ZDU 2.5/4AN OR 163680 100      |
| ZDU 2.5/4AN/10 162697 10       |
| ZDU 2.5/10/4AN/BEZ 165189 10   |
| ZAP/TW3 160880 50              |
| ZAP/TW3BL 160881 50            |
| ZAP/TW3OR 160882 50            |
| ZQV 2.5/2 160886 60            |
| ZQV 2.5/3 160887 60            |
| ZQV 2.5/4 160888 60            |
| ZQV 2.5/5 160889 20            |
| ZQV 2.5/6 160890 20            |
| ZQV 2.5/7 160891 20            |
| ZQV 2.5/8 160892 20            |
| ZQV 2.5/9 160893 20            |
| ZQV 2.5/10 160894 20           |
| ZQV 2.5/50 169754 20           |
| ZQW 1 161143 5                 |
| ZQW 2 161144 5                 |
| ZTA 1 160904 25                |
| ZTA 1/ZA 160905 25             |
| PS 2.3 018040 20               |
| PS 2.0 029380 20               |
| TA 1 053586 20                 |
| SD 0,6 x 3,5 902423 1          |
| ZAD 1/4 160911 20              |
| ZGB 30 161193 20               |
| ESO 7 160772 240               |
| STR 7 051530 20                |
| ZRH 2.5/1 161430 100           |
| ZRH 2.5/2 161429 100           |
| ZRH 2.5/3 161428 100           |
| DEK 5 047346 500               |
| DEK 5 047356 500               |
| ZS 10/5 161000 480             |
| ZS 10/5 161001 480             |

|                                |
|--------------------------------|
| 30 A/4 mm <sup>2</sup>         |
| 5/79/39                        |
| 10                             |
| 800 V/24 A/2,5 mm <sup>2</sup> |
| 8 kV/3                         |
| 0,5...4                        |
| 0,5...4                        |
| 0,5...2,5                      |
| 0,5...2,5                      |
| 0,13...4                       |
| A3                             |
| 600 V/25 A/26...12 AWG         |
| 300 V/27 A/26...12 AWG         |
| Type Cat. No. Qty.             |
| ZDU 2.5/2x2AN 160860 100       |
| ZDU 2.5/2x2AN BL 160861 100    |
| ZDU 2.5/2x2AN OR 163681 100    |
| ZDU 2.5/2x2AN/10 162698 10     |
| ZAP/TW3 160880 50              |
| ZAP/TW3BL 160881 50            |
| ZAP/TW3OR 160882 50            |
| ZTA 1 160904 25                |
| ZTA 1/ZA 160905 25             |
| PS 2.3 018040 20               |
| PS 2.0 029380 20               |
| TA 1 053586 20                 |
| SD 0,6 x 3,5 902423 1          |
| ZAD 1/4 160911 20              |
| ZGB 30 161193 20               |
| ESO 7 160772 240               |
| STR 7 051530 20                |
| ZRH 2.5/1 161430 100           |
| ZRH 2.5/2 161429 100           |
| ZRH 2.5/3 161428 100           |
| DEK 5 047346 500               |
| DEK 5 047356 500               |
| ZS 10/5 161000 480             |
| ZS 10/5 161001 480             |

|                                   |
|-----------------------------------|
| 5/79/39                           |
| 10                                |
| 400 V****/1 A/2,5 mm <sup>2</sup> |
| 6 kV/3                            |
| 0,5...4                           |
| 0,5...4                           |
| 0,5...2,5                         |
| 0,5...2,5                         |
| 0,13...4                          |
| A3                                |
| Type Cat. No. Qty.                |
| ZDU 2.5/2x2AN/D+ 165034 20        |
| mit Diode + ←-                    |
| ZDU 2.5/2x2AN/D- 165035 20        |
| mit Diode - ←+                    |
| ZAP/TW3 160880 50                 |
| ZAP/TW3BL 160881 50               |
| ZAP/TW3OR 160882 50               |
| ZTA 1 160904 25                   |
| ZTA 1/ZA 160905 25                |
| PS 2.3 018040 20                  |
| PS 2.0 029380 20                  |
| TA 1 053586 20                    |
| SD 0,6 x 3,5 902423 1             |
| ZAD 1/4 160911 20                 |
| ZGB 30 161193 20                  |
| ESO 7 160772 240                  |
| STR 7 051530 20                   |
| ZRH 2.5/1 161430 100              |
| ZRH 2.5/2 161429 100              |
| ZRH 2.5/3 161428 100              |
| DEK 5 047346 500                  |
| DEK 5 047356 500                  |
| ZS 10/5 161000 480                |
| ZS 10/5 161001 480                |

|                                 |
|---------------------------------|
| 5/79/39                         |
| 10                              |
| 24 V-/<5 mA/2,5 mm <sup>2</sup> |
| 0,5...4                         |
| 0,5...4                         |
| 0,5...2,5                       |
| 0,5...2,5                       |
| 0,13...4                        |
| A3                              |
| Type Cat. No. Qty.              |
| ZDU 2.5/2x2AN/LD+ 169259 20     |
| mit LED rot + ←-                |
| ZDU 2.5/2x2AN/LD- 169260 20     |
| mit LED red - ←+                |
| ZAP/TW3 160880 50               |
| ZAP/TW3BL 160881 50             |
| ZAP/TW3OR 160882 50             |
| ZTA 1 160904 25                 |
| ZTA 1/ZA 160905 25              |
| PS 2.3 018040 20                |
| PS 2.0 029380 20                |
| TA 1 053586 20                  |
| SD 0,6 x 3,5 902423 1           |
| ZAD 1/4 160911 20               |
| ZGB 30 161193 20                |
| ESO 7 160772 240                |
| STR 7 051530 20                 |
| ZRH 2.5/1 161430 100            |
| ZRH 2.5/2 161429 100            |
| ZRH 2.5/3 161428 100            |
| DEK 5 047346 500                |
| DEK 5 047356 500                |
| ZS 10/5 161000 480              |
| ZS 10/5 161001 480              |

|                              |
|------------------------------|
| 41 A/6 mm <sup>2</sup>       |
| 6/62/43,5                    |
| 12                           |
| 800 V/32 A/4 mm <sup>2</sup> |
| 8 kV/3                       |
| 0,5...6                      |
| 0,5...6                      |
| 0,5...4                      |
| 0,5...4                      |
| 0,21...6                     |
| A4                           |
| 32                           |
| 32                           |
| 600 V/33 A/26...10 AWG       |
| 600 V/35 A/26...10 AWG       |
| Type Cat. No. Qty.           |
| ZDU 4 163205 100             |
| ZDU 4 BL 163206 100          |
| ZDU 4 OR 163683 100          |
| ZDU 4/10 163207 10           |
| ZDU 4/10/BEZ 165190 10       |
| ZAP/TW4 163209 50            |
| ZAP/TW4BL 163210 50          |
| ZAP/TW4OR 163211 50          |
| ZQV 4/2 160895 60            |
| ZQV 4/3 160896 60            |
| ZQV 4/4 160897 60            |
| ZQV 4/5 160898 20            |
| ZQV 4/6 160899 20            |
| ZQV 4/7 160900 20            |
| ZQV 4/8 160901 20            |
| ZQV 4/9 160902 20            |
| ZQV 4/10 160903 20           |
| ZTA 2 160906 25              |
| ZTA 2/ZA 160907 25           |
| PS 2.3 018040 20             |
| PS 2.0 029380 20             |
| TA 1 053586 20               |
| SD 0,6 x 3,5 902423 1        |
| ZAD 2/4 160908 20            |
| ZGB 30 161193 20             |
| ESO 7 160772 240             |
| STR 7 051530 20              |
| ZRH 4/1 163664 100           |
| ZRH 4/2 163665 100           |
| ZRH 4/3 163666 100           |
| DEK 6 046866 500             |
| DEK 6 046876 500             |
| ZS 12/6 161002 400           |
| ZS 12/6 161003 400           |

|                              |
|------------------------------|
| 57 A/10 mm <sup>2</sup>      |
| 8/65/45,5                    |
| 13                           |
| 800 V/41 A/6 mm <sup>2</sup> |
| 8 kV/3                       |
| 0,5...10                     |
| 0,5...10                     |
| 0,5...6                      |
| 0,5...6                      |
| 0,21...10                    |
| A5                           |
| 41                           |
| 41                           |
| 600 V/45 A/22...8 AWG        |
| 600 V/50 A/20...8 AWG        |
| Type Cat. No. Qty.           |
| ZDU 6 160862 50              |
| ZDU 6 BL 160863 50           |
| ZDU 6 OR 163682 50           |
| ZDU 6/10 163143 5            |
| ZAP/TW5 160883 50            |
| ZAP/TW5BL 160884 50          |
| ZAP/TW5OR 160885 50          |
| ZQV 6/2 162785 60            |
| ZQV 6/3 162786 60            |
| ZQV 6/4 162787 60            |
| ZTA 3 165405 25              |
| TA 1 053586 20               |
| SD 1 x 5,5 902429 1          |
| ZAD 3/4 160912 20            |
| ZGB 30 161193 20             |
| ESO 7 160772 240             |
| STR 7 051530 20              |
| ZRH 4/1 163664 100           |
| ZRH 4/2 163665 100           |
| ZRH 4/3 163666 100           |
| DEK 8 127696 500             |
| DEK 8 128966 500             |
| ZS 12/6 161002 400           |
| ZS 12/6 161003 400           |

\*\*\* Standard pack includes 100 strips for 10 poles each

\*\*\*\* Soldered diodes: Type 1N 4007, reverse voltage 1000 V/current 1 A

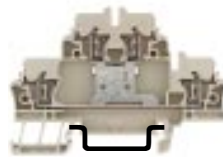
## Feed-through terminal blocks and terminal blocks with electronic components

### ZDK 2.5/1.5

### ZDK 2.5/1.5 V

### ZDK 2.5/1.5 N-DU

### ZDK 2.5/1.5 DU-PE



#### Max. Technical Data

| Dimensions   | - / -                                   | - / -                          | - / -                          | - / -                         |
|--|---|--------------------------------|--------------------------------|-------------------------------|
| Width / length / height (mm)                                       | with TS 35 x 7,5  5/79/54               | 5/79/54                        | 5/79/54                        | 5/79/54                       |
| Insulation stripping length (mm)                                   | 10                                      | 10                             | 10                             | 10                            |
| <b>VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989</b>           |   |                                |                                |                               |
| Rated voltage / current / cross-section                            | 500 V/24 A/2.5 mm <sup>2</sup>          | 500 V/24 A/2.5 mm <sup>2</sup> | 500 V/24 A/2.5 mm <sup>2</sup> | -- V/24 A/2.5 mm <sup>2</sup> |
| Rated impulse voltage / pollution severity                         | 6 kV/3                                  | 6 kV/3                         | 6 kV/3                         | 6 kV/3                        |
| <b>Further technical data</b>                                      |   |                                |                                |                               |
| Clampable conductor:   |   |                                |                                |                               |
| solid H07V-U   | mm <sup>2</sup> 0.5...2.5               | 0.5...2.5                      | 0.5...2.5                      | 0.5...2.5                     |
| flexible H07V-K  | mm <sup>2</sup> 0.5...2.5               | 0.5...2.5                      | 0.5...2.5                      | 0.5...2.5                     |
| with ferrule to DIN 46 228/1 <sup>1)</sup>                         | mm <sup>2</sup> 0.5...1,5 <sup>2)</sup> | 0.5...1,5 <sup>2)</sup>        | 0.5...1,5 <sup>2)</sup>        | 0.5...1,5 <sup>2)</sup>       |
| with ferrule with plastic insulating collar**                      | mm <sup>2</sup> 0.5...1,5               | 0.5...1,5                      | 0.5...1,5                      | 0.5...1,5                     |
| Max. Clamping Range in mm <sup>2</sup> Gauge pin to IEC 947-1/1988 | 0,13...2,5 A2                           | 0,13...2,5 A2                  | 0,13...2,5 A2                  | 0,13...2,5 A2                 |
| Continuous current rating of cross-connection 2-pole               | A 24                                    | 24                             | 24                             | 24                            |
| Continuous current rating of cross-connection multipole            | A 24                                    | 24                             | 24                             | 24                            |
| <b>UL / CSA rated data</b>   |   |                                |                                |                               |
| Voltage / current / conductor size                                 | UL *                                    | *                              | *                              | *                             |
| Voltage / current / conductor size                                 | CSA *                                   | *                              | *                              | *                             |

| Ordering data | Version    | Type           | Cat. No. | Qty. | Type         | Cat. No. | Qty. | Type           | Cat. No. | Qty. | Type            | Cat. No. | Qty. |
|---------------|------------|----------------|----------|------|--------------|----------|------|----------------|----------|------|-----------------|----------|------|
|               | Wemid      | ZDK 2.5/1.5    | 167430   | 50   | ZDK2.5/1.5 v | 168999   | 50   | ZDK2.5/1.5N-DU | 168996   | 50   | ZDK2.5/1.5DU-PE | 168997   | 50   |
|               | Blue Wemid | ZDK 2.5/1.5 BL | 167863   | 50   |              |          |      |                |          |      |                 |          |      |
|               | Orange PA  | ZDK 2.5/1.5 OR | 169414   | 50   |              |          |      |                |          |      |                 |          |      |

| End plate / partition | Version   | Type           | Cat. No. | Qty. | Type           | Cat. No. | Qty. | Type           | Cat. No. | Qty. | Type           | Cat. No. | Qty. |
|-----------------------|-----------|----------------|----------|------|----------------|----------|------|----------------|----------|------|----------------|----------|------|
| ZAP/TW                | Wemid     | ZAP TW 2.5/1.5 | 167473   | 20   | ZAP TW 2.5/1.5 | 167473   | 20   | ZAP TW 2.5/1.5 | 167473   | 20   | ZAP TW 2.5/1.5 | 167473   | 20   |
|                       | Orange PA | ZAP TW 2.5/1.5 | 169008   | 20   | ZAP TW 2.5/1.5 | 169008   | 20   | ZAP TW 2.5/1.5 | 169008   | 20   | ZAP TW 2.5/1.5 | 169008   | 20   |

| Cross-connection | Version | Type       | Cat. No. | Qty. | Type       | Cat. No. | Qty. | Type       | Cat. No. | Qty. | Type       | Cat. No. | Qty. |
|------------------|---------|------------|----------|------|------------|----------|------|------------|----------|------|------------|----------|------|
| ZQV              |         | ZQV 2.5/2  | 160886   | 60   | ZQV 2.5/2  | 160886   | 60   | ZQV 2.5/2  | 160886   | 60   | ZQV 2.5/2  | 160886   | 60   |
|                  |         | ZQV 2.5/3  | 160887   | 60   | ZQV 2.5/3  | 160887   | 60   | ZQV 2.5/3  | 160887   | 60   | ZQV 2.5/3  | 160887   | 60   |
|                  |         | ZQV 2.5/4  | 160888   | 60   | ZQV 2.5/4  | 160888   | 60   | ZQV 2.5/4  | 160888   | 60   | ZQV 2.5/4  | 160888   | 60   |
|                  |         | ZQV 2.5/5  | 160889   | 20   | ZQV 2.5/5  | 160889   | 20   | ZQV 2.5/5  | 160889   | 20   | ZQV 2.5/5  | 160889   | 20   |
|                  |         | ZQV 2.5/6  | 160890   | 20   | ZQV 2.5/6  | 160890   | 20   | ZQV 2.5/6  | 160890   | 20   | ZQV 2.5/6  | 160890   | 20   |
|                  |         | ZQV 2.5/7  | 160891   | 20   | ZQV 2.5/7  | 160891   | 20   | ZQV 2.5/7  | 160891   | 20   | ZQV 2.5/7  | 160891   | 20   |
|                  |         | ZQV 2.5/8  | 160892   | 20   | ZQV 2.5/8  | 160892   | 20   | ZQV 2.5/8  | 160892   | 20   | ZQV 2.5/8  | 160892   | 20   |
|                  |         | ZQV 2.5/9  | 160893   | 20   | ZQV 2.5/9  | 160893   | 20   | ZQV 2.5/9  | 160893   | 20   | ZQV 2.5/9  | 160893   | 20   |
|                  |         | ZQV 2.5/10 | 160894   | 20   | ZQV 2.5/10 | 160894   | 20   | ZQV 2.5/10 | 160894   | 20   | ZQV 2.5/10 | 160894   | 20   |
|                  |         | ZQV 2.5/50 | 169754   | 20   | ZQV 2.5/50 | 169754   | 20   | ZQV 2.5/50 | 169754   | 20   | ZQV 2.5/50 | 169754   | 20   |

| Test adapter | Version  | Type      | Cat. No. | Qty. | Type      | Cat. No. | Qty. | Type      | Cat. No. | Qty. | Type      | Cat. No. | Qty. |
|--------------|----------|-----------|----------|------|-----------|----------|------|-----------|----------|------|-----------|----------|------|
| ZTA          | With pin | ZTA 4/ ZA | 168811   | 25   | ZTA 4/ ZA | 168811   | 25   | ZTA 4/ ZA | 168811   | 25   | ZTA 4/ ZA | 168811   | 25   |

| Screwdriver      | Version | Type         | Cat. No. | Qty. | Type         | Cat. No. | Qty. | Type         | Cat. No. | Qty. | Type         | Cat. No. | Qty. |
|------------------|---------|--------------|----------|------|--------------|----------|------|--------------|----------|------|--------------|----------|------|
| SD to DIN 5264-A |         | SD 0,6 x 3,5 | 902423   | 1    | SD 0,6 x 3,5 | 902423   | 1    | SD 0,6 x 3,5 | 902423   | 1    | SD 0,6 x 3,5 | 902423   | 1    |

| Group marking | Version                      | Type   | Cat. No. | Qty. | Type   | Cat. No. | Qty. | Type   | Cat. No. | Qty. | Type   | Cat. No. | Qty. |
|---------------|------------------------------|--------|----------|------|--------|----------|------|--------|----------|------|--------|----------|------|
| ZGB           |                              | ZGB 30 | 161193   | 20   | ZGB 30 | 161193   | 20   | ZGB 30 | 161193   | 20   | ZGB 30 | 161193   | 20   |
| ESO           | Blank snap-on tag            | ESO 7  | 160772   | 240  | ESO 7  | 160772   | 240  | ESO 7  | 160772   | 240  | ESO 7  | 160772   | 240  |
| STR           | Transparent protective cover | STR 7  | 051530   | 20   | STR 7  | 051530   | 20   | STR 7  | 051530   | 20   | STR 7  | 051530   | 20   |

| Reducing sleeves****                         | Colour    | Type        | Cat. No. | Qty. | Type        | Cat. No. | Qty. | Type        | Cat. No. | Qty. | Type        | Cat. No. | Qty. |
|--|-----------|-------------|----------|------|-------------|----------|------|-------------|----------|------|-------------|----------|------|
| ZRH for conductor 0,13...0,2 mm <sup>2</sup> | White     | ZRH 1.5 H/1 | 167881   | 100  | ZRH 1.5 H/1 | 167881   | 100  | ZRH 1.5 H/1 | 167881   | 100  | ZRH 1.5 H/1 | 167881   | 100  |
| ZRH for conductor 0,25...0,5 mm <sup>2</sup> | Grey      | ZRH 1.5 H/2 | 167880   | 100  | ZRH 1.5 H/2 | 167880   | 100  | ZRH 1.5 H/2 | 167880   | 100  | ZRH 1.5 H/2 | 167880   | 100  |
| ZRH for conductor 0,75...1 mm <sup>2</sup>   | Dark grey | ZRH 1.5 H/3 | 167879   | 100  | ZRH 1.5 H/3 | 167879   | 100  | ZRH 1.5 H/3 | 167879   | 100  | ZRH 1.5 H/3 | 167879   | 100  |

| Marking tags | Print                  | Type    | Cat. No. | Qty. | Type    | Cat. No. | Qty. | Type    | Cat. No. | Qty. | Type    | Cat. No. | Qty. |
|--------------|------------------------|---------|----------|------|---------|----------|------|---------|----------|------|---------|----------|------|
| DEK          | Consecutive horizontal | DEK 5   | 047346   | 500  | DEK 5   | 047346   | 500  | DEK 5   | 047346   | 500  | DEK 5   | 047346   | 500  |
| DEK          | Consecutive vertical   | DEK 5   | 047356   | 500  | DEK 5   | 047356   | 500  | DEK 5   | 047356   | 500  | DEK 5   | 047356   | 500  |
| ZS 10        | Blank                  | ZS 10/5 | 161000   | 480  | ZS 10/5 | 161000   | 480  | ZS 10/5 | 161000   | 480  | ZS 10/5 | 161000   | 480  |
| ZS 10        | Printed                | ZS 10/5 | 161001   | 480  | ZS 10/5 | 161001   | 480  | ZS 10/5 | 161001   | 480  | ZS 10/5 | 161001   | 480  |

See page 2/60 as well as section 3 for additional accessories

<sup>1)</sup> Ferrules crimped gas-tight

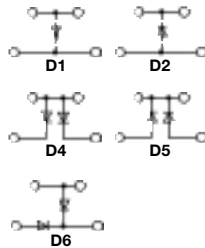
\* Approvals applied for  
\*\*\*\* Standard pack includes 100 strips for 10 poles each

<sup>2)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

**ZDK 2.5/1.5 N-PE**

**ZDK 2.5/1.5/LD/1  
ZDK 2.5/1.5/LD/2**

**ZDK 2.5/1.5/D/1...6**



- / -

5/79/54

10

-V /24 A/2.5 mm<sup>2</sup>

6 kV/3

0.5...2.5

0.5...2.5

0.5...1,5<sup>2</sup>)

0.5...1,5

0,13...2,5 A2

24

24

\*

\*

| Type           | Cat. No.      | Qty. |
|----------------|---------------|------|
| ZDK2.5/1.5N-PE | <b>168998</b> | 50   |

ZAP TW 2.5/1.5 **167473** 20

ZAP TW 2.5/1.5 **169008** 20

ZQV 2.5/2 **160886** 60

ZQV 2.5/3 **160887** 60

ZQV 2.5/4 **160888** 60

ZQV 2.5/5 **160889** 20

ZQV 2.5/6 **160890** 20

ZQV 2.5/7 **160891** 20

ZQV 2.5/8 **160892** 20

ZQV 2.5/9 **160893** 20

ZQV 2.5/10 **160894** 20

ZQV 2.5/50 **169754** 20

ZTA 4 / ZA **168811** 25

SD 0,6 x 3,5 **902423** 1

ZGB 30 **161193** 20

ESO 7 **160772** 240

STR 7 **051530** 20

ZRH 1.5 H/1 **167881** 100

ZRH 1.5 H/2 **167880** 100

ZRH 1.5 H/3 **167879** 100

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

- / -

5/79/54

10

24 V-/-<5 mA\*\*/2.5 mm<sup>2</sup>

-

0.5...2.5

0.5...2.5

0.5...1,5<sup>2</sup>)

0.5...1,5

0,13...2,5 A2

| Type           | Cat. No.      | Qty. |
|----------------|---------------|------|
| ZDK2.5/1.5LD 1 | <b>169001</b> | 50   |
| ZDK2.5/1.5LD 2 | <b>169394</b> | 50   |

ZAP TW 2.5/1.5 **167473** 20

ZAP TW 2.5/1.5 **169008** 20

ZQV 2.5/2 **160886** 60

ZQV 2.5/3 **160887** 60

ZQV 2.5/4 **160888** 60

ZQV 2.5/5 **160889** 20

ZQV 2.5/6 **160890** 20

ZQV 2.5/7 **160891** 20

ZQV 2.5/8 **160892** 20

ZQV 2.5/9 **160893** 20

ZQV 2.5/10 **160894** 20

ZQV 2.5/50 **169754** 20

ZTA 4 / ZA **168811** 25

SD 0,6 x 3,5 **902423** 1

ZGB 30 **161193** 20

ESO 7 **160772** 240

STR 7 **051530** 20

ZRH 1.5 H/1 **167881** 100

ZRH 1.5 H/2 **167880** 100

ZRH 1.5 H/3 **167879** 100

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

- / -

5/79/54

10

500 V\*\*/10 A\*\*\*/2.5 mm<sup>2</sup>

6 kV/3

0.5...2.5

0.5...2.5

0.5...1,5<sup>2</sup>)

0.5...1,5

0,13...2,5 A2

| Type           | Cat. No.      | Qty. |
|----------------|---------------|------|
| ZDK2.5/1.5 D 1 | <b>169002</b> | 50   |
| ZDK2.5/1.5 D 2 | <b>169003</b> | 50   |
| ZDK2.5/1.5 D 4 | <b>169004</b> | 50   |
| ZDK2.5/1.5 D 5 | <b>169005</b> | 50   |
| ZDK2.5/1.5 D 6 | <b>169006</b> | 50   |

ZAP TW 2.5/1.5 **167473** 20

ZAP TW 2.5/1.5 **169008** 20

ZQV 2.5/2 **160886** 60

ZQV 2.5/3 **160887** 60

ZQV 2.5/4 **160888** 60

ZQV 2.5/5 **160889** 20

ZQV 2.5/6 **160890** 20

ZQV 2.5/7 **160891** 20

ZQV 2.5/8 **160892** 20

ZQV 2.5/9 **160893** 20

ZQV 2.5/10 **160894** 20

ZQV 2.5/50 **169754** 20

ZTA 4 / ZA **168811** 25

SD 0,6 x 3,5 **902423** 1

ZGB 30 **161193** 20

ESO 7 **160772** 240

STR 7 **051530** 20

ZRH 1.5 H/1 **167881** 100

ZRH 1.5 H/2 **167880** 100

ZRH 1.5 H/3 **167879** 100

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

\*\* Equipped with diode type 1N 4007,reverse voltage 1000 V, current 1 A

\*\*\* current of through-busbar = 10 A

**Protective conductor terminal blocks**

**ZPE 2.5-2/3AN**

**ZPE 2.5-2/4AN**

**ZPE 2.5**

**ZPE 2.5/3AN**



| Dimensions   |   | ZPE 2.5-2/3AN             | ZPE 2.5-2/4AN             | ZPE 2.5                   | ZPE 2.5/3AN               |               |          |              |               |          |              |               |          |      |
|--|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------|----------|--------------|---------------|----------|--------------|---------------|----------|------|
| Width / length / height (mm)   | with TS 35 x 7,5  | 5/50,5/43                 | 5/50,5/43                 | 5/59,5/39                 | 5/64/39                   |               |          |              |               |          |              |               |          |      |
| Insulation stripping length  | mm  | 10                        | 10                        | 10                        | 10                        |               |          |              |               |          |              |               |          |      |
| Bemessungsdaten IEC947-7-2   |   |                           |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| Rated voltage / current PEN / cross-section  |   | -V/-A/2,5 mm <sup>2</sup> | -V/-A/2,5 mm <sup>2</sup> | -V/-A/2,5 mm <sup>2</sup> | -V/-A/2,5 mm <sup>2</sup> |               |          |              |               |          |              |               |          |      |
| Rated voltage / rated impulse voltage / pollution severity to VDE 0110/1.89 to adjacent terminal |   | 800 V/8 kV/3              | 800 V/8 kV/3              | 800 V/8 kV/3              | 800 V/8 kV/3              |               |          |              |               |          |              |               |          |      |
| Further technical data   |   |                           |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| Clampable conductor:   |   |                           |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| solid H07V-U   | mm <sup>2</sup>   | 0,5...2,5                 | 0,5...2,5                 | 0,5...4                   | 0,5...4                   |               |          |              |               |          |              |               |          |      |
| flexible H07V-K  | mm <sup>2</sup>   | 0,5...2,5                 | 0,5...2,5                 | 0,5...4                   | 0,5...4                   |               |          |              |               |          |              |               |          |      |
| with ferrule to DIN 46 228/1**   | mm <sup>2</sup>   | 0,5...1,5 <sup>1)</sup>   | 0,5...1,5 <sup>1)</sup>   | 0,5...2,5                 | 0,5...2,5                 |               |          |              |               |          |              |               |          |      |
| with ferrule with plastic insulating collar**  | mm <sup>2</sup>   | 0,5...1,5                 | 0,5...1,5                 | 0,5...2,5                 | 0,5...2,5                 |               |          |              |               |          |              |               |          |      |
| Max. Clamping Range in mm <sup>2</sup> /Gauge pin to IEC 947-1/1988                              | Size  | 0,13...2,5 A2             | 0,13...2,5 A2             | 0,13...4 A3               | 0,13...4 A3               |               |          |              |               |          |              |               |          |      |
| UL / CSA rated data  |   |                           |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| Voltage / current / conductor size   | UL  | *                         | *                         | -V/-A/26...12 AWG         | -V/-A/26...12 AWG         |               |          |              |               |          |              |               |          |      |
| Voltage / current / conductor size   | CSA   | *                         | *                         | -V/-A/26...12 AWG         | -V/-A/26...12 AWG         |               |          |              |               |          |              |               |          |      |
| Ordering data  |   | Version                   | Type                      | Cat. No.                  | Qty.                      | Type          | Cat. No. | Qty.         | Type          | Cat. No. | Qty.         | Type          | Cat. No. | Qty. |
|  | Green/yellow Wemid  | ZPE 2.5-2/3AN             | <b>170609</b>             | 100                       | ZPE 2.5-2/4AN             | <b>170610</b> | 100      | ZPE 2.5      | <b>160864</b> | 100      | ZPE 2.5/3AN  | <b>160865</b> | 100      |      |
| End plate / partition  |   | Version                   |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| ZAP/TW   | Beige Wemid   | ZAP/TW7                   | <b>170611</b>             | 50                        | ZAP/TW7                   | <b>170611</b> | 50       | ZAP/TW1      | <b>160874</b> | 50       | ZAP/TW2      | <b>160877</b> | 50       |      |
| Support block  |   | Version                   |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| SH   | For insulation of mounting rails in insulated-earth installations | SH 2                      | <b>049492</b>             | 10                        | SH 2                      | <b>049492</b> | 10       | SH 2         | <b>049492</b> | 10       | SH 2         | <b>049492</b> | 10       |      |
| Test adapter   |   | Version                   |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| ZTA  | Without pin   | ZTA 4/ZA                  | <b>168811</b>             | 25                        | ZTA 4/ZA                  | <b>168811</b> | 25       | ZTA 1        | <b>160904</b> | 25       | ZTA 1        | <b>160904</b> | 25       |      |
|  | With pin  | TA 1                      | <b>053586</b>             | 20                        | TA 1                      | <b>053586</b> | 20       | TA 1         | <b>053586</b> | 20       | TA 1         | <b>053586</b> | 20       |      |
|  | PS  |                           |                           |                           |                           |               |          | PS 2.3       | <b>018040</b> | 20       | PS 2.3       | <b>018040</b> | 20       |      |
|  | TA  |                           |                           |                           |                           |               |          | PS 2.0       | <b>029380</b> | 20       | PS 2.0       | <b>029380</b> | 20       |      |
| Screwdriver  |   | Version                   |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| SD to DIN 5264-A   |   | SD 0,6 x 3,5              | <b>902423</b>             | 1                         | SD 0,6 x 3,5              | <b>902423</b> | 1        | SD 0,6 x 3,5 | <b>902423</b> | 1        | SD 0,6 x 3,5 | <b>902423</b> | 1        |      |
| Group marking  |   | Version                   |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| ZGB  | Blank snap-on tag   | ZGB 30                    | <b>161193</b>             | 20                        | ZGB 30                    | <b>161193</b> | 20       | ZGB 30       | <b>161193</b> | 20       | ZGB 30       | <b>161193</b> | 20       |      |
| ESO  | Transparent protective cover                                      | ESO 7                     | <b>160772</b>             | 240                       | ESO 7                     | <b>160772</b> | 240      | ESO 7        | <b>160772</b> | 240      | ESO 7        | <b>160772</b> | 240      |      |
| STR  |   | STR 7                     | <b>051530</b>             | 20                        | STR 7                     | <b>051530</b> | 20       | STR 7        | <b>051530</b> | 20       | STR 7        | <b>051530</b> | 20       |      |
| Reducing sleeves***  |   | Colour                    |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| ZRH for conductor 0,13...0,2 mm <sup>2</sup>   | White   | ZRH 1.5H/1                | <b>167881</b>             | 100                       | ZRH 1.5H/1                | <b>167881</b> | 100      | ZRH 2.5/1    | <b>161430</b> | 100      | ZRH 2.5/1    | <b>161430</b> | 100      |      |
| ZRH for conductor 0,25...0,5 mm <sup>2</sup>   | Grey  | ZRH 1.5H/2                | <b>167880</b>             | 100                       | ZRH 1.5H/2                | <b>167880</b> | 100      | ZRH 2.5/2    | <b>161429</b> | 100      | ZRH 2.5/2    | <b>161429</b> | 100      |      |
| ZRH for conductor 0,75...1 mm <sup>2</sup>   | Dark grey   | ZRH 1.5H/3                | <b>167879</b>             | 100                       | ZRH 1.5H/3                | <b>167879</b> | 100      | ZRH 2.5/3    | <b>161428</b> | 100      | ZRH 2.5/3    | <b>161428</b> | 100      |      |
| Marking tags   |   | Print                     |                           |                           |                           |               |          |              |               |          |              |               |          |      |
| DEK  | Consecutive horizontal  | DEK 5                     | <b>047346</b>             | 500                       | DEK 5                     | <b>047346</b> | 500      | DEK 5        | <b>047346</b> | 500      | DEK 5        | <b>047346</b> | 500      |      |
| DEK  | Consecutive vertical  | DEK 5                     | <b>047356</b>             | 500                       | DEK 5                     | <b>047356</b> | 500      | DEK 5        | <b>047356</b> | 500      | DEK 5        | <b>047356</b> | 500      |      |
| ZS 10  | Blank   | ZS 10/5                   | <b>161000</b>             | 480                       | ZS 10/5                   | <b>161000</b> | 480      | ZS 10/5      | <b>161000</b> | 480      | ZS 10/5      | <b>161000</b> | 480      |      |
| ZS 10  | Printed   | ZS 10/5                   | <b>161001</b>             | 480                       | ZS 10/5                   | <b>161001</b> | 480      | ZS 10/5      | <b>161001</b> | 480      | ZS 10/5      | <b>161001</b> | 480      |      |

See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for  
\*\* Ferrules crimped gas-tight

\*\*\* Standard pack includes 100 strips for 10 poles each

<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

ZPE 2.5/4AN

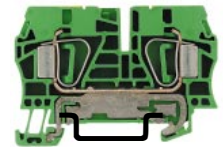
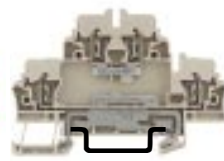
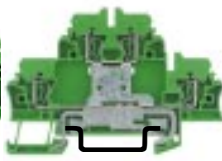
ZDK 2.5/1.5 PE

ZDK 2.5/1.5 DU-PE

ZDK 2.5/1.5 N-PE

ZPE 4

ZPE 6



|                           |                           |                            |                           |                         |                        |
|---------------------------|---------------------------|----------------------------|---------------------------|-------------------------|------------------------|
| 5/79/39                   | 5/79/54                   | 5/79/54                    | 5/79/54                   | 6 /62 /43,5             | 8/65/45,5              |
| 10                        | 10                        | 10                         | 10                        | 12                      | 13                     |
| -V/-A/2,5 mm <sup>2</sup> | -V/-A/2,5 mm <sup>2</sup> | -V/24A/2,5 mm <sup>2</sup> | -V/-A/2,5 mm <sup>2</sup> | -V/-A/4 mm <sup>2</sup> | -V/-A/6mm <sup>2</sup> |
| 800 V/8 kV/3              | 500/6 kV/3                | 500/6 kV/3                 | 500/6 kV/3                | 800 V/8 kV/3            | 800 V/8 kV/3           |

|           |                         |                         |                         |         |          |
|-----------|-------------------------|-------------------------|-------------------------|---------|----------|
| 0,5...4   | 0,5...2,5               | 0,5...2,5               | 0,5...2,5               | 0,5...6 | 0,5...10 |
| 0,5...4   | 0,5...2,5               | 0,5...2,5               | 0,5...2,5               | 0,5...6 | 0,5...10 |
| 0,5...2,5 | 0,5...1,5 <sup>1)</sup> | 0,5...1,5 <sup>1)</sup> | 0,5...1,5 <sup>1)</sup> | 0,5...4 | 0,5...6  |
| 0,5...2,5 | 0,5...1,5               | 0,5...1,5               | 0,5...1,5               | 0,5...4 | 0,5...6  |

|          |    |            |    |            |    |            |    |          |    |           |    |
|----------|----|------------|----|------------|----|------------|----|----------|----|-----------|----|
| 0,13...4 | A3 | 0,13...2,5 | A2 | 0,13...2,5 | A2 | 0,13...2,5 | A2 | 0,21...6 | A4 | 0,21...10 | A5 |
|----------|----|------------|----|------------|----|------------|----|----------|----|-----------|----|

|                   |   |   |   |                   |                  |
|-------------------|---|---|---|-------------------|------------------|
| -V/-A/26...12 AWG | * | * | * | -V/-A/26...10 AWG | -V/-A/22...8 AWG |
| -V/-A/26...12 AWG | * | * | * | -V/-A/26...10 AWG | -V/-A/20...8 AWG |

| Type        | Cat. No. | Qty. | Type           | Cat. No. | Qty. | Type              | Cat. No. | Qty. | Type             | Cat. No. | Qty. | Type  | Cat. No. | Qty. |
|-------------|----------|------|----------------|----------|------|-------------------|----------|------|------------------|----------|------|-------|----------|------|
| ZPE 2.5/4AN | 160866   | 100  | ZDK 2.5/1.5 PE | 169000   | 50   | ZDK 2.5/1.5 DU-PE | 168997   | 50   | ZDK 2.5/1.5 N-PE | 168998   | 50   | ZPE 4 | 163208   | 100  |
| ZPE 6       | 160867   | 50   |                |          |      |                   |          |      |                  |          |      |       |          |      |

|         |        |    |               |        |    |               |        |    |               |        |    |         |        |    |         |        |    |
|---------|--------|----|---------------|--------|----|---------------|--------|----|---------------|--------|----|---------|--------|----|---------|--------|----|
| ZAP/TW3 | 160880 | 50 | ZAP/TW ZDK2.5 | 167473 | 50 | ZAP/TW ZDK2.5 | 167473 | 50 | ZAP/TW ZDK2.5 | 167473 | 50 | ZAP/TW4 | 163209 | 50 | ZAP/TW5 | 160883 | 50 |
|---------|--------|----|---------------|--------|----|---------------|--------|----|---------------|--------|----|---------|--------|----|---------|--------|----|

|      |        |    |      |        |    |      |        |    |      |        |    |      |        |    |      |        |    |
|------|--------|----|------|--------|----|------|--------|----|------|--------|----|------|--------|----|------|--------|----|
| SH 2 | 049492 | 10 | SH 2 | 049492 | 10 | SH 2 | 049492 | 10 | SH 2 | 049492 | 10 | SH 2 | 049492 | 10 | SH 2 | 049492 | 10 |
|------|--------|----|------|--------|----|------|--------|----|------|--------|----|------|--------|----|------|--------|----|

|          |        |    |          |        |    |          |        |    |          |        |    |       |        |    |       |        |    |
|----------|--------|----|----------|--------|----|----------|--------|----|----------|--------|----|-------|--------|----|-------|--------|----|
| ZTA 1    | 160904 | 25 | ZTA 4/ZA | 168811 | 25 | ZTA 4/ZA | 168811 | 25 | ZTA 4/ZA | 168811 | 25 | ZTA 2 | 160906 | 25 | ZTA 3 | 165405 | 25 |
| ZTA 1/ZA | 160905 | 25 |          |        |    |          |        |    | ZTA 2/ZA | 160907 | 25 |       |        |    |       |        |    |
| TA 1     | 053586 | 20 |          |        |    |          |        |    | TA 1     | 053586 | 20 |       |        |    |       |        |    |
| PS 2.3   | 018040 | 20 |          |        |    |          |        |    | PS 2.3   | 018040 | 20 |       |        |    |       |        |    |
| PS 2.0   | 029380 | 20 |          |        |    |          |        |    | PS 2.0   | 029380 | 20 |       |        |    |       |        |    |

|              |        |   |              |        |   |              |        |   |              |        |   |              |        |   |            |        |   |
|--------------|--------|---|--------------|--------|---|--------------|--------|---|--------------|--------|---|--------------|--------|---|------------|--------|---|
| SD 0,6 x 3,5 | 902423 | 1 | SD 0,6 x 3,5 | 902423 | 1 | SD 0,6 x 3,5 | 902423 | 1 | SD 0,6 x 3,5 | 902423 | 1 | SD 0,6 x 3,5 | 902423 | 1 | SD 1 x 5,5 | 902429 | 1 |
|--------------|--------|---|--------------|--------|---|--------------|--------|---|--------------|--------|---|--------------|--------|---|------------|--------|---|

|        |        |     |        |        |     |        |        |     |        |        |     |        |        |     |        |        |     |
|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|
| ZGB 30 | 161193 | 20  | ZGB 30 | 161193 | 20  | ZGB 30 | 161193 | 20  | ZGB 30 | 161193 | 20  | ZGB 30 | 161193 | 20  | ZGB 30 | 161193 | 20  |
| ESO 7  | 160772 | 240 | ESO 7  | 160772 | 240 | ESO 7  | 160772 | 240 | ESO 7  | 160772 | 240 | ESO 7  | 160772 | 240 | ESO 7  | 160772 | 240 |
| STR 7  | 051530 | 20  | STR 7  | 051530 | 20  | STR 7  | 051530 | 20  | STR 7  | 051530 | 20  | STR 7  | 051530 | 20  | STR 7  | 051530 | 20  |

|           |        |     |            |        |     |            |        |     |            |        |     |         |        |     |  |  |  |
|-----------|--------|-----|------------|--------|-----|------------|--------|-----|------------|--------|-----|---------|--------|-----|--|--|--|
| ZRH 2.5/1 | 161430 | 100 | ZRH 1.5H/1 | 167881 | 100 | ZRH 1.5H/1 | 167881 | 100 | ZRH 1.5H/1 | 167881 | 100 | ZRH 4/1 | 163664 | 100 |  |  |  |
| ZRH 2.5/2 | 161429 | 100 | ZRH 1.5H/2 | 167880 | 100 | ZRH 1.5H/2 | 167880 | 100 | ZRH 1.5H/2 | 167880 | 100 | ZRH 4/2 | 163665 | 100 |  |  |  |
| ZRH 2.5/3 | 161428 | 100 | ZRH 1.5H/3 | 167879 | 100 | ZRH 1.5H/3 | 167879 | 100 | ZRH 1.5H/3 | 167879 | 100 | ZRH 4/3 | 163666 | 100 |  |  |  |

|         |        |     |         |        |     |         |        |     |         |        |     |         |        |     |         |        |     |
|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|
| DEK 5   | 047346 | 500 | DEK 5   | 047346 | 500 | DEK 5   | 047346 | 500 | DEK 5   | 047346 | 500 | DEK 6   | 046866 | 500 | DEK 8   | 127696 | 500 |
| DEK 5   | 047356 | 500 | DEK 5   | 047356 | 500 | DEK 5   | 047356 | 500 | DEK 5   | 047356 | 500 | DEK 6   | 046876 | 500 | DEK 8   | 128966 | 500 |
| ZS 10/5 | 161000 | 480 | ZS 10/5 | 161000 | 480 | ZS 10/5 | 161000 | 480 | ZS 10/5 | 161000 | 480 | ZS 12/6 | 161002 | 400 | ZS 12/6 | 161002 | 400 |
| ZS 10/5 | 161001 | 480 | ZS 10/5 | 161001 | 480 | ZS 10/5 | 161001 | 480 | ZS 10/5 | 161001 | 480 | ZS 12/6 | 161003 | 400 | ZS 12/6 | 161003 | 400 |

## Disconnect test terminal blocks

## ZTR 2.5

## ZTR 2.5/3 AN

## ZTR 2.5/D

## ZTR 2.5/3 AN/D



| Dimensions  |                  | ZTR 2.5                          | ZTR 2.5/3 AN                     | ZTR 2.5/D                        | ZTR 2.5/3 AN/D                   |                   |          |      |                    |          |      |
|---|------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------|----------|------|--------------------|----------|------|
| Width / length / height (mm)  | with TS 35 x 7,5 | 5/68/41                          | 5/83/41                          | 5/68/57                          | 5/83/57                          |                   |          |      |                    |          |      |
| Insulation stripping length   | mm               | 10                               | 10                               | 10                               | 10                               |                   |          |      |                    |          |      |
| Bemessungsdaten   |                  |                                  |                                  |                                  |                                  |                   |          |      |                    |          |      |
| Rated voltage / current / cross-section                             |                  | 400 V/18 A**/2,5 mm <sup>2</sup> | 400 V/16 A**/2,5 mm <sup>2</sup> | 400 V/10 A**/2,5 mm <sup>2</sup> | 400 V/10 A**/2,5 mm <sup>2</sup> |                   |          |      |                    |          |      |
| Rated impulse voltage / pollution severity, VDE 0110/1.89           |                  | 6 kV/3                           | 6 kV/3                           | 6 kV/3                           | 6 kV/3                           |                   |          |      |                    |          |      |
| Further technical data  |                  |                                  |                                  |                                  |                                  |                   |          |      |                    |          |      |
| Clampable conductor:  |                  |                                  |                                  |                                  |                                  |                   |          |      |                    |          |      |
| solid H07V-U  | mm <sup>2</sup>  | 0,5...4                          | 0,5...4                          | 0,5...4                          | 0,5...4                          |                   |          |      |                    |          |      |
| flexible H07V-K   | mm <sup>2</sup>  | 0,5...4                          | 0,5...4                          | 0,5...4                          | 0,5...4                          |                   |          |      |                    |          |      |
| with ferrule to DIN 46 228/1***                                     | mm <sup>2</sup>  | 0,5...2,5                        | 0,5...2,5                        | 0,5...2,5                        | 0,5...2,5                        |                   |          |      |                    |          |      |
| with ferrule with plastic insulating collar***                      | mm <sup>2</sup>  | 0,5...2,5                        | 0,5...2,5                        | 0,5...2,5                        | 0,5...2,5                        |                   |          |      |                    |          |      |
| Max. Clamping Range in mm <sup>2</sup> /Gauge pin to IEC 947-1/1988 | Size             | 0,13...4 A3                      | 0,13...4 A3                      | 0,13...4 A3                      | 0,13...4 A3                      |                   |          |      |                    |          |      |
| UL / CSA rated data   |                  |                                  |                                  |                                  |                                  |                   |          |      |                    |          |      |
| Voltage / current / conductor size                                  |                  | 300 V/10 A/26...12 AWG           | *                                | 300 V/- A/26...12 AWG            | *                                |                   |          |      |                    |          |      |
| Ordering data   |                  | Version                          | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
|   |                  | Wemid                            | ZTR 2.5                          | 160868                           | 100                              | ZTR 2,5/3AN       | 166830   | 100  |                    |          |      |
|   |                  | Blue Wemid                       | ZTR 2.5BL                        | 160869                           | 100                              | ZTR 2,5/3ANBL     | 167030   | 100  |                    |          |      |
|   |                  | Orange PA                        | ZTR 2.5OR                        | 163684                           | 100                              | ZTR 2,5/3ANOR     | 167032   | 100  |                    |          |      |
|   |                  | Without disconnect lever         | ZTR 2.5/O.TNHE                   | 160870                           | 100                              | ZTR 2,5/3ANO.TNHE | 167031   | 100  |                    |          |      |
|   |                  | With diode +D-                   |                                  |                                  |                                  |                   |          |      | ZTR 2.5/D+         | 160871   | 50   |
|   |                  | With diode -K+                   |                                  |                                  |                                  |                   |          |      | ZTR 2.5/D-         | 160872   | 50   |
|   |                  | With wire link                   |                                  |                                  |                                  |                   |          |      | ZTR 2.5/D/DRBR     | 160873   | 50   |
|   |                  |                                  |                                  |                                  |                                  |                   |          |      | ZTR 2.5/3AN/D+     | 167033   | 50   |
|   |                  |                                  |                                  |                                  |                                  |                   |          |      | ZTR 2.5/3AN/D-     | 167034   | 50   |
|   |                  |                                  |                                  |                                  |                                  |                   |          |      | ZTR 2.5/3AN/D/DRBR | 167035   | 50   |
| End plate / partition   |                  | Version                          | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
| ZAP/TW  |                  | Wemid                            | ZAP/TW2                          | 160877                           | 50                               | ZAP/TW3           | 160880   | 50   | ZAP/TW2            | 160877   | 50   |
|   |                  | Blue Wemid                       | ZAP/TW2BL                        | 160878                           | 50                               | ZAP/TW3BL         | 160881   | 50   | ZAP/TW2BL          | 160878   | 50   |
|   |                  | Orange PA                        | ZAP/TW2OR                        | 160879                           | 50                               | ZAP/TW3OR         | 160882   | 50   | ZAP/TW2OR          | 160879   | 50   |
|   |                  |                                  |                                  |                                  |                                  |                   |          |      | ZAP/TW3OR          | 160882   | 50   |
| Cross-connection  |                  | Version                          | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
| ZQV   |                  |                                  | ZQV 2.5/2                        | 160886                           | 60                               | ZQV 2.5/2         | 160886   | 60   | ZQV 2.5/2          | 160886   | 60   |
|   |                  |                                  | ZQV 2.5/3                        | 160887                           | 60                               | ZQV 2.5/3         | 160887   | 60   | ZQV 2.5/3          | 160887   | 60   |
|   |                  |                                  | ZQV 2.5/4                        | 160888                           | 60                               | ZQV 2.5/4         | 160888   | 60   | ZQV 2.5/4          | 160888   | 60   |
|   |                  |                                  | ZQV 2.5/5                        | 160889                           | 20                               | ZQV 2.5/5         | 160889   | 20   | ZQV 2.5/5          | 160889   | 20   |
|   |                  |                                  | ZQV 2.5/6                        | 160890                           | 20                               | ZQV 2.5/6         | 160890   | 20   | ZQV 2.5/6          | 160890   | 20   |
|   |                  |                                  | ZQV 2.5/7                        | 160891                           | 20                               | ZQV 2.5/7         | 160891   | 20   | ZQV 2.5/7          | 160891   | 20   |
|   |                  |                                  | ZQV 2.5/8                        | 160892                           | 20                               | ZQV 2.5/8         | 160892   | 20   | ZQV 2.5/8          | 160892   | 20   |
|   |                  |                                  | ZQV 2.5/9                        | 160893                           | 20                               | ZQV 2.5/9         | 160893   | 20   | ZQV 2.5/9          | 160893   | 20   |
|   |                  |                                  | ZQV 2.5/10                       | 160894                           | 20                               | ZQV 2.5/10        | 160894   | 20   | ZQV 2.5/10         | 160894   | 20   |
|   |                  |                                  | ZQV 2.5/50                       | 169754                           | 20                               | ZQV 2.5/50        | 169754   | 20   | ZQV 2.5/50         | 169754   | 20   |
|   |                  |                                  | ZQW 1                            | 161143                           | 5                                | ZQW 1             | 161143   | 5    | ZQW 1              | 161143   | 5    |
|   |                  |                                  | ZQW 2                            | 161144                           | 5                                | ZQW 2             | 161144   | 5    | ZQW 2              | 161144   | 5    |
| Test adapter/Test plugs   |                  | Version                          | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
| ZTA   |                  | Without pin                      | ZTA 1                            | 160904                           | 25                               | ZTA 1             | 160904   | 25   | ZTA 1              | 160904   | 25   |
|   |                  | With pin                         | ZTA 1/ZA                         | 160905                           | 25                               | ZTA 1/ZA          | 160905   | 25   | ZTA 1/ZA           | 160905   | 25   |
|   |                  |                                  | PS 2.0                           | 029380                           | 20                               | PS 2.0            | 029380   | 20   | PS 2.0             | 029380   | 20   |
|   |                  |                                  | PS 2.3                           | 018040                           | 20                               | PS 2.3            | 018040   | 20   | PS 2.3             | 018040   | 20   |
| Screwdriver   |                  | Version                          | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
| SD to DIN 5264-A  |                  |                                  | SD 0,6 x 3,5                     | 902423                           | 1                                | SD 0,6 x 3,5      | 902423   | 1    | SD 0,6 x 3,5       | 902423   | 1    |
| Cover   |                  | Version                          | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
| ZAD   |                  |                                  | ZAD 1/4                          | 160911                           | 20                               | ZAD 1/4           | 160911   | 20   | ZAD 1/4            | 160911   | 20   |
| Reducing sleeves****  |                  | Colour                           | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
| ZRH for conductor 0,13...0,2 mm <sup>2</sup>                        |                  | White                            | ZRH 2.5/1                        | 161430                           | 100                              | ZRH 2.5/1         | 161430   | 100  | ZRH 2.5/1          | 161430   | 100  |
| ZRH for conductor 0,25...0,5 mm <sup>2</sup>                        |                  | Grey                             | ZRH 2.5/2                        | 161429                           | 100                              | ZRH 2.5/2         | 161429   | 100  | ZRH 2.5/2          | 161429   | 100  |
| ZRH for conductor 0,75...1 mm <sup>2</sup>                          |                  | Dark grey                        | ZRH 2.5/3                        | 161428                           | 100                              | ZRH 2.5/3         | 161428   | 100  | ZRH 2.5/3          | 161428   | 100  |
| Diode plug (spare)  |                  | Version                          | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
|   |                  | +D-                              | WSD 2.5                          | 105856                           | 25                               | WSD 2.5           | 105856   | 25   | WSD 2.5            | 105856   | 25   |
|   |                  | -K+                              | WSD 2.5                          | 105846                           | 25                               | WSD 2.5           | 105846   | 25   | WSD 2.5            | 105846   | 25   |
|   |                  | With wire link                   | WSD 2.5                          | 105866                           | 25                               | WSD 2.5           | 105866   | 25   | WSD 2.5            | 105866   | 25   |
|   |                  | Without special components       | WSD 2.5                          | 105876                           | 25                               | WSD 2.5           | 105876   | 25   | WSD 2.5            | 105876   | 25   |
| Group marking   |                  | Version                          | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
| ZGB   |                  |                                  | ZGB 30                           | 161193                           | 20                               | ZGB 30            | 161193   | 20   | ZGB 30             | 161193   | 20   |
| ESO   |                  | Blank snap-on tag                | ESO 7                            | 160772                           | 240                              | ESO 7             | 160772   | 240  | ESO 7              | 160772   | 240  |
| STR   |                  | Transparent protective cover     | STR 7                            | 051530                           | 20                               | STR 7             | 051530   | 20   | STR 7              | 051530   | 20   |
| Marking tags  |                  | Print                            | Type                             | Cat. No.                         | Qty.                             | Type              | Cat. No. | Qty. | Type               | Cat. No. | Qty. |
| DEK   |                  | Consecutive horizontal           | DEK 5                            | 047346                           | 500                              | DEK 5             | 047346   | 500  | DEK 5              | 047346   | 500  |
| DEK   |                  | Consecutive vertical             | DEK 5                            | 047356                           | 500                              | DEK 5             | 047356   | 500  | DEK 5              | 047356   | 500  |
| ZS 10   |                  | Blank                            | ZS 10/5                          | 161000                           | 480                              | ZS 10/5           | 161000   | 480  | ZS 10/5            | 161000   | 480  |
| ZS 10 DEK   |                  | Printed                          | ZS 10/5                          | 161001                           | 480                              | ZS 10/5           | 161001   | 480  | ZS 10/5            | 161001   | 480  |

\* Approvals applied for      \*\* The rated current is limited to 1 A by using the diode plug with Diode type 1 N 4007, reverse voltage 1000 V, current 1 A

\*\*\* Ferrules crimped gas-tight

\*\*\*\* Standard pack includes 100 strips for 10 poles each

## Fuse terminal blocks

### ZSI 2.5

for metric fuses



### ZSI 2.5/2

for inch fuses



#### Dimensions

Width / length / height (mm) with TS 35 x 7,5  8/79/74  
Insulation stripping length mm 10

#### Rated data

Terminal block base:

Rated voltage / current / cross-section  
Rated impulse voltage / pollution severity  
to VDE 0110/1.89

#### Fuse switches:

Fuse cartridges to VDE 0820  
Dissipation at 23 °C and 1.5 x I rated current  
– Single arrangement W 2,5  
Combined arrangement W 1,6

8/79/74  
10

500 V/6,3 A/2,5 mm<sup>2</sup>  
6 kV/3

5 x 20 mm

W 2,5  
W 1,6

12/79/74  
10

500 V/10 A/2,5 mm<sup>2</sup>  
6 kV/3

1/4" x 1/1/4" (6,3 x 32 mm)

2,5  
2,5

#### Further technical data

Clampable conductor:  
solid H07V-U mm<sup>2</sup> 0,5...4  
flexible H07V-K mm<sup>2</sup> 0,5...4  
with ferrule to DIN 46 228/1\*\*\* mm<sup>2</sup> 0,5...2,5  
with ferrule with plastic insulating collar\*\*\* mm<sup>2</sup> 0,5...2,5  
Max. Clamping Range in mm<sup>2</sup>/Gauge pin to IEC 947-1/1988 Size 0,13...4 A3

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
0,13...4 A3

#### UL / CSA rated data

Voltage / current / conductor size UL 600 V/10 A/26...12 AWG  
Voltage / current / conductor size CSA 600 V/15 A/26...12 AWG

600 V/16 A/26...12 AWG  
600 V/15 A/26...12 AWG

| Ordering data/Version | Rated impulse voltage  |
|-----------------------|------------------------|
| Wemid                 | 500 V                  |
| Wemid/with 1 LED      | 250 V~/110 V-          |
| Wemid/with 1 LED      | 80...120 V~/40...60 V- |
| Wemid/with 1 LED      | 30...60 V~/15...30 V-  |
| Wemid/with 1 LED      | 10...24 V~/5...14 V-   |
| Wemid/with 1 LED      | 24 V-                  |

| Type       | Cat. No. | Qty. | Type        | Cat. No. | Qty. |
|------------|----------|------|-------------|----------|------|
| ZSI 2.5    | 161640   | 50   | ZSI 2.5     | 161646   | 25   |
| ZSI 2.5/LD | 161641   | 50   | ZSI 2.5/2LD | 161650   | 25   |
| ZSI 2.5/LD | 161642   | 50   | ZSI 2.5/2LD | 161649   | 25   |
| ZSI 2.5/LD | 161643   | 50   | ZSI 2.5/2LD | 161648   | 25   |
| ZSI 2.5/LD | 161644   | 50   | ZSI 2.5/2LD | 161647   | 25   |
| ZSI 2.5/LD | 161645   | 50   |             |          |      |

| End plate / partition   | Version    |
|---|------------|
|  | Wemid      |
|  | Blue Wemid |
|  | Orange PA  |
| ZAP/TW  | Wemid      |
| ZAP TNHE/ZSI 2.5  |            |

|                  |        |    |
|------------------|--------|----|
| ZAP/TW3          | 160880 | 50 |
| ZAP/TW3BBL       | 160881 | 50 |
| ZAP/TW3OR        | 160882 | 50 |
| ZAP TNHE/ZSI 2.5 | 161084 | 25 |
| ZAP TNHE/ZSI 2.5 | 161084 | 25 |

#### Cross-connection

|   |  |
|---|--|
| ZQV  |  |
|---|--|

|         |        |    |           |        |    |
|---------|--------|----|-----------|--------|----|
| ZQV 6/2 | 162785 | 60 | ZQS 2.5/2 | 163320 | 20 |
| ZQV 6/3 | 162786 | 60 | ZQS 2.5/3 | 163321 | 20 |
| ZQV 6/4 | 162787 | 60 | ZQS 2.5/4 | 163322 | 20 |
|         |        |    | ZQS 2.5/5 | 163323 | 20 |

| Test adapter  | Version     |
|---|-------------|
| ZTA  | Without pin |
|   | With pin    |

|          |        |    |          |        |    |
|----------|--------|----|----------|--------|----|
| ZTA 1    | 160904 | 25 | ZTA 1    | 160904 | 25 |
| ZTA 1/ZA | 160905 | 25 | ZTA 1/ZA | 160905 | 25 |

#### Screwdriver

|  |  |
|--|--|
| SD to DIN 5264-A  |  |
|--|--|


|              |        |   |              |        |   |
|--------------|--------|---|--------------|--------|---|
| SD 0,6 x 3,5 | 902423 | 1 | SD 0,6 x 3,5 | 902423 | 1 |
|--------------|--------|---|--------------|--------|---|

#### Group marking

|   |                              |
|---|------------------------------|
| ZGB  |                              |
| ESO   | Blank snap-on tag            |
| STR   | Transparent protective cover |

|        |        |     |        |        |     |
|--------|--------|-----|--------|--------|-----|
| ZGB 30 | 161193 | 20  | ZGB 30 | 161193 | 20  |
| ESO 7  | 160772 | 240 | ESO 7  | 160772 | 240 |
| STR 7  | 051530 | 20  | STR 7  | 051530 | 20  |

#### Marking tags

| Marking tags  | Print                  |
|---|------------------------|
| DEK 5  | Consecutive horizontal |
| DEK 5   | Consecutive vertical   |
| ZS 10   | Blank                  |
| ZS 10   | Printed                |
| WS 10   | Blank                  |
| WS 10   | vertical Printed       |
| WS 10   | horizontal Printed     |

|         |        |     |         |        |     |
|---------|--------|-----|---------|--------|-----|
| DEK 5   | 047346 | 500 | DEK 5   | 047346 | 500 |
| DEK 5   | 047356 | 500 | DEK 5   | 047356 | 500 |
| ZS 10/5 | 161000 | 480 | ZS 10/5 | 161000 | 480 |
| ZS 10/5 | 161001 | 480 | ZS 10/5 | 161001 | 480 |
| WS 10/5 | 106086 | 200 | WS 10/5 | 106086 | 200 |
| WS 10/5 | 144706 | 200 | WS 10/5 | 144706 | 200 |
| WS 10/5 | 144716 | 200 | WS 10/5 | 144716 | 200 |

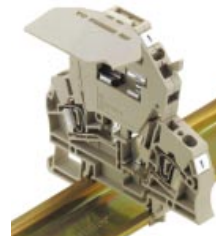
See page 2/60 as well as section 3 for additional accessories

\*\*\* Ferrules crimped gas-tight

Cat.-Nr. for G-fuse inserts see Page 2/93

#### Fitting the ZAP TNHE 2.5 end plate

The end plates are supplied individually and are only required as a cover for the fuse holder at the end of a terminal strip. The end plate can be used for the ZSI 2.5 and ZSI 2.5/2.



#### Fitting the ZSI 2.5/... cross connect link

Before fitting the cross connect link, the cross connect link window must be removed. Do not break out the side window of the last terminal.

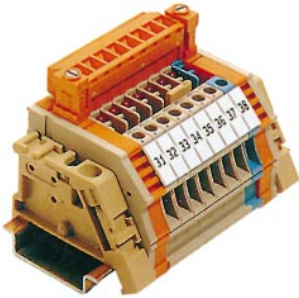


## Modular terminal blocks for plug-in connectors

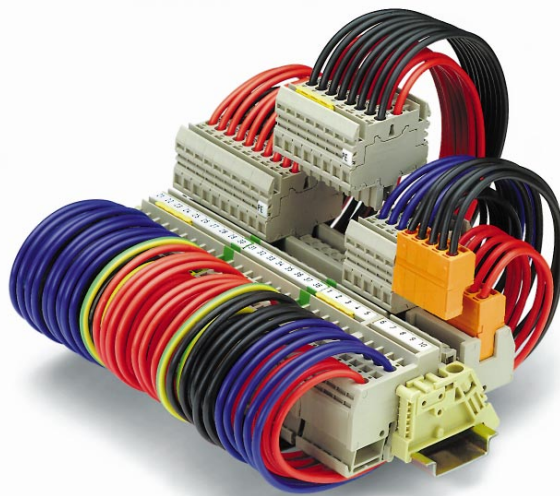
Modular functional units form the key-element for production systems constructed according to the building-block principle. Costly installation times can be reduced significantly, and sub-units can be rapidly replaced when maintenance or servicing is carried out.

Terminal blocks using plug-in connectors are tailor-made for this type of application. They enable functional units to be replaced rapidly, and the control system can be supplemented or modified without any problems.

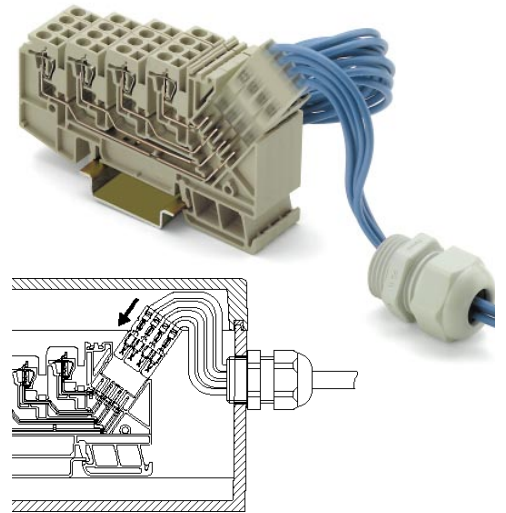
### WDU 2.5/BLZ WDK 2.5/BLZ



### ZKBD 2.5/1.5 ZKSD 2.5/1.5



### ZRV 1.5



All types can be coded without reducing the number of available connections. The terminals can be used for up to 20 or 18.5 A. The WDK version saves significantly on space as it not only takes up less room along the mounting rail, but also across, as two identical connectors can be plugged in from the top.

- pitch: 5.08 and 7.62 mm
- rated voltage: 250 and 500 V
- versions with LED's
- mounting brackets for firmly securing plug-in connectors
- for BLZ and BLA systems

The prime feature of the new ZKBD and ZKSD terminal blocks for plug-in connectors is their modular construction. This system employs terminal block technology where ZKBD and ZKSD form the base terminals and ZSLD and ZBLD are the plug-in connectors. The Weidmüller tension clamp system is used to connect the conductors. This system enables functional units to be prefitted as well as tested with test plugs. This applies equally to the reciprocal component which could be a terminal strip wired up to a machine, or in a lift, tram or underground railway, etc.

- modular construction; plug-in connectors for between 2 and 12 poles
- base terminal as well as plug-in connector are each equipped with two connections and two cross-connection channels
- coding system that does not reduce number of poles
- resistant to shaking or vibrations
- no end or partition plates required, therefore no break in the pitch and less planning effort

On account of its low height of 55 mm (plus space taken up by loop in cable), this system can even be mounted inside very flat enclosures. The width of only 5 mm and the 4 through-connections reduce the length of the terminal block assemblies and make more space available inside the control cabinet. Conductors are attached on the terminal side by means of tension clamp connections using a top-entry system, and on the plug-in connector side by crimped contacts. The ZRV 1.5 is available as either a plain feedthrough terminal or combined with a PE connection. Reciprocally coded plugs, which cannot be connected the wrong way round, are available for both the plain feedthrough terminal and the feedthrough terminal with PE connection. It is also possible to fit these plugs through PG 11 gland entries, so that a PG threaded cable gland can be attached to the cable in advance. As cross-connections are possible within each of the 4 levels, voltages can be distributed systematically or even linked circuits can be created.

## ZRV 1.5

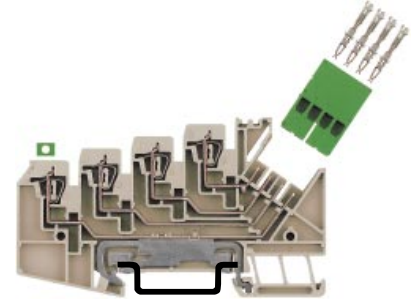
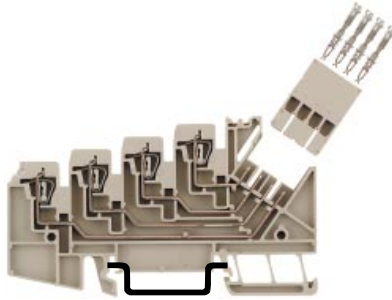
### Terminal block for plug-in connectors

## ZRV 1.5

## STGH ZRV 1.5

## ZRV 1.5PE

## STGH ZRV 1.5/PE



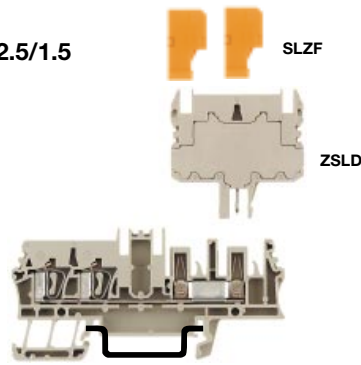
| Dimensions   | Base terminal                            | Plug-in connector                      | Base terminal                | Plug-in connector                      |
|--|--|--|------------------------------|--|
| Width / length / height (mm)                                 |  | 5,0/23,0/16,8                          |                              | 5,0/23,0/16,8                          |
| Width / length / height (mm) with TS 35 x 7,5                | 5,0/89,2/51,8                            | -                                      | 5,0/89,2/51,8                | -                                      |
| Including plugged connector:                                 |  |  |                              |  |
| Width / length / height (mm) with TS 35 x 7,5                | 5,0/89,2/55,0                            | -                                      | 5,0/89,2/55,0                | -                                      |
| Insulation stripping length/clamping screw/screwdriver blade | 8 mm/-/-                                 | 4 mm/-/-                               | 8 mm/-/-                     | 4 mm/-/-                               |
| <b>VDE rated data, VDE 0611</b>                              |  |  |                              |  |
| Rated voltage / current / cross-section                      | 63 V/4 A/1,5 mm <sup>2</sup>             | 63 V/4 A/1,0 mm <sup>2</sup>           | 63 V/4 A/1,5 mm <sup>2</sup> | 63 V/4 A/1,0 mm <sup>2</sup>           |
| <b>Further technical data</b>                                |  |  |                              |  |
| Clampable conductor:   | mm <sup>2</sup> Tension clamp connection | Tension clamp connection               | Tension clamp connection     | Tension clamp connection               |
| solid H07V-U   | mm <sup>2</sup> 0,13...2,5               | -                                      | 0,13...2,5                   | -                                      |
| flexible H07V-K  | mm <sup>2</sup> 0,5...2,5                | -                                      | 0,5...2,5                    | -                                      |
| with ferrule to DIN 46 228/1                                 | mm <sup>2</sup> 0,5...2,5                | 0,2...0,35/0,5...1,0                   | 0,5...2,5                    | 0,2...0,35/0,5...1,0                   |
| with ferrule with plastic insulating collar                  | mm <sup>2</sup> 0,5...1,5                | -                                      | 0,5...1,5                    | -                                      |
| Max. Clamping Range in mm <sup>2</sup>                       | 0,5...1,5                                | -                                      | 0,5...1,5                    | -                                      |
| Gauge pin to IEC 947-1/1988                                  | Size 0,13...2,5 A1                       | -                                      | 0,13...2,5 A1                | -                                      |
| <b>UL / CSA rated data</b>                                   |  |  |                              |  |
| Voltage / current / conductor size                           | UL 150 V/10 A/26...14 AWG                | 150 V/10 A/26...14 AWG                 | 150 V/10 A/26...14 AWG       | 150 V/10 A/26...14 AWG                 |
| Voltage / current / conductor size                           | CSA submitted                            | submitted                              | submitted                    | submitted                              |
| <b>Ordering data</b>   | Type Cat. No. Qty.                       | Type Cat. No. Qty.                     | Type Cat. No. Qty.           | Type Cat. No. Qty.                     |
|  | ZRV 1.5 <b>169816</b> 50                 | STGH ZRV 1.5 <b>169819</b> 50          | ZRV 1.5 PE <b>169817</b> 50  | STGH ZRV1.5/PE <b>169820</b> 50        |
| <b>Crimp contacts/Crimping tool</b>                          |  |  |                              |  |
| 0,2...0,35 mm <sup>2</sup>                                   |  | <b>170533</b> 5000                     |                              | <b>170533</b> 5000                     |
| 0,2...0,35 mm <sup>2</sup>                                   |  | <b>170531</b> 500                      |                              | <b>170531</b> 500                      |
| 0,5...1,0 mm <sup>2</sup>                                    |  | <b>170534</b> 5000                     |                              | <b>170534</b> 5000                     |
| 0,5...1,0 mm <sup>2</sup>                                    |  | <b>170532</b> 500                      |                              | <b>170532</b> 500                      |
| Crimping tool HTF - ZRV                                      |  | <b>901484</b> 1                        |                              | <b>901484</b> 1                        |
| Crimping insert  |  | <b>170535</b> 1                        |                              | <b>170535</b> 1                        |
| <b>End Plate</b>   |  |  |                              |  |
|  | AP ZRV1.5 <b>169818</b> 10               | -                                      | AP ZRV1.5 <b>169818</b> 10   | -                                      |
| <b>Cross-connection</b>                                      |  |  |                              |  |
| ZQV 2.5  | 2-pole ZQV 2.5/2 <b>160886</b> 60        |  | ZQV 2.5/2 <b>160886</b> 60   |  |
|  | 3-pole ZQV 2.5/3 <b>160887</b> 60        |  | ZQV 2.5/3 <b>160887</b> 60   |  |
|  | 4-pole ZQV 2.5/4 <b>160888</b> 60        |  | ZQV 2.5/4 <b>160888</b> 60   |  |
|  | 5-pole ZQV 2.5/5 <b>160889</b> 20        |  | ZQV 2.5/5 <b>160889</b> 20   |  |
|  | 7-pole ZQV 2.5/7 <b>160191</b> 20        |  | ZQV 2.5/7 <b>160191</b> 20   |  |
|  | 8-pole ZQV 2.5/8 <b>160192</b> 20        |  | ZQV 2.5/8 <b>160192</b> 20   |  |
|  | 9-pole ZQV 2.5/9 <b>160193</b> 20        |  | ZQV 2.5/9 <b>160193</b> 20   |  |
|  | 10-pole ZQV 2.5/10 <b>160194</b> 20      |  | ZQV 2.5/10 <b>160194</b> 20  |  |
|  | 50-pole* ZQV 2.5/50 <b>169754</b> 20     |  | ZQV 2.5/50 <b>169754</b> 20  |  |
| <b>Screwdriver</b>   |  |  |                              |  |
| SD to DIN 5264-A   | SD 0,6 x 3,5 <b>902423</b> 1             |  | SD 0,6 x 3,5 <b>902423</b> 1 |  |
| <b>Marking tags</b>  |  |  |                              |  |
|  | dekafix, WS 10                           | E-Fix unprinted <b>157372</b> Var.0002 | dekafix, WS 10               | E-Fix unprinted <b>157372</b> Var.0002 |

See page 2/60 as well as section 3 for additional accessories

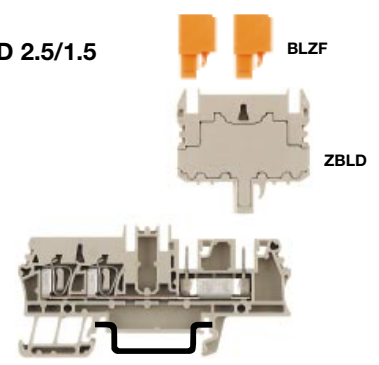
\* Cross-connection can be easily cut off for required number of poles

## Pluggable Terminal blocks

### ZKBD 2.5/1.5



### ZKSD 2.5/1.5



#### Dimensions

Width / length / height plugged in (mm) with TS 35 x 7,5 with TS 35 x 7,5   
 Insulation stripping length mm

#### Bemessungsdaten

Rated voltage / current / cross-section  
 Rated insulation voltage to VDE 0110 / 2.89 / pollution severity

#### Further technical data

Clampable conductor:  
 solid H07V-U mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 with ferrule to DIN 46 228/1\*\* mm<sup>2</sup>  
 with ferrule with plastic insulating collar\*\* mm<sup>2</sup>  
 Max. Clamping Range in mm<sup>2</sup>/Gauge pin to IEC 947-1/1988 Size  
 Continuous current rating of cross-connection 2-pole A  
 Continuous current rating of cross-connection multipole A

#### UL / CSA rated data

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

#### Ordering data

Base terminal block Version Wemid

Connector

| ZKBD / ZSLD                    | ZKBD / SLZF                    |
|--------------------------------|--------------------------------|
| 5/79/62                        | 5/79/49                        |
| 8                              | 7                              |
| 250 V/16 A/2,5 mm <sup>2</sup> | 250 V/16 A/1,5 mm <sup>2</sup> |
| 4 kV/3                         | 4 kV/3                         |
| 0,5...2,5                      | 0,5...2,5                      |
| 0,5...2,5                      | 0,5...2,5                      |
| 0,5...1,5 <sup>1)</sup>        | 0,5...1,5                      |
| 0,5...1,5                      | 0,5...1,5                      |
| 0,13...2,5 A2                  | 0,13...2,5 A1                  |
| 16                             | 16                             |
| 16                             | 16                             |

| ZKSD / ZBLD                    | ZKSD / BLZF                    |
|--------------------------------|--------------------------------|
| 5/79/62                        | 5/79/49                        |
| 8                              | 7                              |
| 250 V/16 A/2,5 mm <sup>2</sup> | 250 V/16 A/1,5 mm <sup>2</sup> |
| 4 kV/3                         | 4 kV/3                         |
| 0,5...2,5                      | 0,5...2,5                      |
| 0,5...2,5                      | 0,5...2,5                      |
| 0,5...1,5 <sup>1)</sup>        | 0,5...1,5                      |
| 0,5...1,5                      | 0,5...1,5                      |
| 0,13...2,5 A2                  | 0,13...2,5 A1                  |
| 16                             | 16                             |
| 16                             | 16                             |

| Type            | Cat. No.      | Qty. | Type         | Cat. No.      | Qty. |
|-----------------|---------------|------|--------------|---------------|------|
| ZKBD 2.5 / 1.5  | <b>168826</b> | 100  |              |               |      |
| ZSLD 2.5/1.5/2  | <b>168828</b> | 25   | SLZF 5,08/2  | <b>167945</b> | 100  |
| ZSLD 2.5/1.5/3  | <b>168829</b> | 25   | SLZF 5,08/3  | <b>167946</b> | 100  |
| ZSLD 2.5/1.5/4  | <b>168889</b> | 25   | SLZF 5,08/4  | <b>167947</b> | 100  |
| ZSLD 2.5/1.5/5  | <b>168890</b> | 20   | SLZF 5,08/5  | <b>167948</b> | 50   |
| ZSLD 2.5/1.5/6  | <b>168891</b> | 20   | SLZF 5,08/6  | <b>167949</b> | 50   |
| ZSLD 2.5/1.5/7  | <b>168892</b> | 20   | SLZF 5,08/7  | <b>167950</b> | 50   |
| ZSLD 2.5/1.5/8  | <b>168893</b> | 20   | SLZF 5,08/8  | <b>167951</b> | 50   |
| ZSLD 2.5/1.5/9  | <b>168894</b> | 10   | SLZF 5,08/9  | <b>167952</b> | 50   |
| ZSLD 2.5/1.5/10 | <b>168895</b> | 10   | SLZF 5,08/10 | <b>167953</b> | 50   |
| ZSLD 2.5/1.5/11 | <b>168896</b> | 10   | SLZF 5,08/11 | <b>167954</b> | 50   |
| ZSLD 2.5/1.5/12 | <b>168897</b> | 10   | SLZF 5,08/12 | <b>167955</b> | 50   |

| Type           | Cat. No.      | Qty. | Type         | Cat. No.      | Qty. |
|----------------|---------------|------|--------------|---------------|------|
| ZKSD 2.5 / 1.5 | <b>169761</b> | 100  |              |               |      |
| ZBLD 2.5/1.5/2 | <b>169763</b> | 25   | BLZF 5,08/2  | <b>167991</b> | 100  |
| ZBLD 2.5/1.5/3 | <b>169764</b> | 25   | BLZF 5,08/3  | <b>167992</b> | 100  |
| ZBLD2.5/1.5/4  | <b>169765</b> | 25   | BLZF 5,08/4  | <b>167993</b> | 100  |
| ZBLD2.5/1.5/5  | <b>169766</b> | 20   | BLZF 5,08/5  | <b>167994</b> | 50   |
| ZBLD2.5/1.5/6  | <b>169767</b> | 20   | BLZF 5,08/6  | <b>167995</b> | 50   |
| ZBLD2.5/1.5/7  | <b>169768</b> | 20   | BLZF 5,08/7  | <b>167996</b> | 50   |
| ZBLD2.5/1.5/8  | <b>169769</b> | 20   | BLZF 5,08/8  | <b>167997</b> | 50   |
| ZBLD2.5/1.5/9  | <b>169770</b> | 10   | BLZF 5,08/9  | <b>167998</b> | 50   |
| ZBLD2.5/1.5/10 | <b>169771</b> | 10   | BLZF 5,08/10 | <b>167999</b> | 50   |
| ZBLD2.5/1.5/11 | <b>169772</b> | 10   | BLZF 5,08/11 | <b>168000</b> | 50   |
| ZBLD2.5/1.5/12 | <b>169773</b> | 10   | BLZF 5,08/12 | <b>168001</b> | 50   |

#### End plate / partition/Fixing bracket Version

ZAP Wemid  
 Orange PA  
 Orange PA

#### Cross-connection

ZQV 2.5

|            |               |    |
|------------|---------------|----|
| ZQV 2.5/2  | <b>160886</b> | 60 |
| ZQV 2.5/3  | <b>160887</b> | 60 |
| ZQV 2.5/4  | <b>160888</b> | 60 |
| ZQV 2.5/5  | <b>160889</b> | 20 |
| ZQV 2.5/6  | <b>160890</b> | 20 |
| ZQV 2.5/7  | <b>160891</b> | 20 |
| ZQV 2.5/8  | <b>160892</b> | 20 |
| ZQV 2.5/9  | <b>160893</b> | 20 |
| ZQV 2.5/10 | <b>160894</b> | 20 |
| ZQV 2.5/50 | <b>169754</b> | 20 |

|            |               |    |
|------------|---------------|----|
| ZQV 2.5/2  | <b>160886</b> | 60 |
| ZQV 2.5/3  | <b>160887</b> | 60 |
| ZQV 2.5/4  | <b>160888</b> | 60 |
| ZQV 2.5/5  | <b>160889</b> | 20 |
| ZQV 2.5/6  | <b>160890</b> | 20 |
| ZQV 2.5/7  | <b>160891</b> | 20 |
| ZQV 2.5/8  | <b>160892</b> | 20 |
| ZQV 2.5/9  | <b>160893</b> | 20 |
| ZQV 2.5/10 | <b>160894</b> | 20 |
| ZQV 2.5/50 | <b>169754</b> | 20 |

#### Test adapter Version

ZTA With pin



|          |               |    |
|----------|---------------|----|
| ZTA 4/ZA | <b>168811</b> | 25 |
|----------|---------------|----|

|          |               |    |
|----------|---------------|----|
| ZTA 4/ZA | <b>168811</b> | 25 |
|----------|---------------|----|

#### Screwdriver

SD to DIN 5264-A

|              |               |   |
|--------------|---------------|---|
| SD 0,6 x 3,5 | <b>902423</b> | 1 |
|--------------|---------------|---|

|              |               |   |
|--------------|---------------|---|
| SD 0,6 x 3,5 | <b>902423</b> | 1 |
|--------------|---------------|---|

#### Group marking

ZGB  
 ESO Blank snap-on tag  
 STR Transparent protective cover

|        |               |     |
|--------|---------------|-----|
| ZGB 30 | <b>161193</b> | 20  |
| ESO 7  | <b>160772</b> | 240 |
| STR 7  | <b>051530</b> | 20  |

|        |               |     |
|--------|---------------|-----|
| ZGB 30 | <b>161193</b> | 20  |
| ESO 7  | <b>160772</b> | 240 |
| STR 7  | <b>051530</b> | 20  |

#### Reducing sleeves\*\*\* Colour

ZRH for conductor 0,13...0,2 mm<sup>2</sup> White  
 ZRH for conductor 0,25...0,5 mm<sup>2</sup> Grey  
 ZRH for conductor 0,75...1 mm<sup>2</sup> Dark grey

|             |               |     |             |               |     |
|-------------|---------------|-----|-------------|---------------|-----|
| ZRH 1.5H /1 | <b>167881</b> | 100 | ZRH 1.5N /1 | <b>163214</b> | 100 |
| ZRH 1.5H /2 | <b>167880</b> | 100 | ZRH 1.5N /2 | <b>163213</b> | 100 |
| ZRH 1.5H /3 | <b>167879</b> | 100 | ZRH 1.5N /3 | <b>163212</b> | 100 |

|             |               |     |             |               |     |
|-------------|---------------|-----|-------------|---------------|-----|
| ZRH 1.5H /1 | <b>167881</b> | 100 | ZRH 1.5N /1 | <b>163214</b> | 100 |
| ZRH 1.5H /2 | <b>167880</b> | 100 | ZRH 1.5N /2 | <b>163213</b> | 100 |
| ZRH 1.5H /3 | <b>167879</b> | 100 | ZRH 1.5N /3 | <b>163212</b> | 100 |

#### Marking tags Print

DEK Consecutive horizontal  
 DEK Consecutive vertical  
 ZS 10 Blank  
 ZS 10 Printed

|         |               |     |
|---------|---------------|-----|
| DEK 5   | <b>047346</b> | 500 |
| DEK 5   | <b>047356</b> | 500 |
| ZS 10/5 | <b>161000</b> | 480 |
| ZS 10/5 | <b>161001</b> | 480 |

|         |               |     |
|---------|---------------|-----|
| DEK 5   | <b>047346</b> | 500 |
| DEK 5   | <b>047356</b> | 500 |
| ZS 10/5 | <b>161000</b> | 480 |
| ZS 10/5 | <b>161001</b> | 480 |

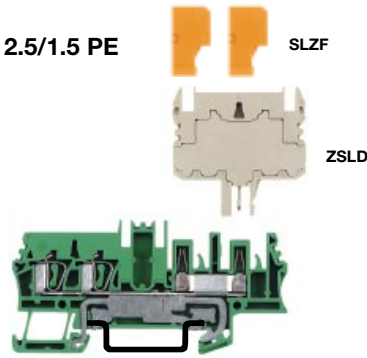
See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for  
 \*\* Ferrules crimped gas-tight  
 \*\*\* Standard pack includes 100 strips for 10 poles each

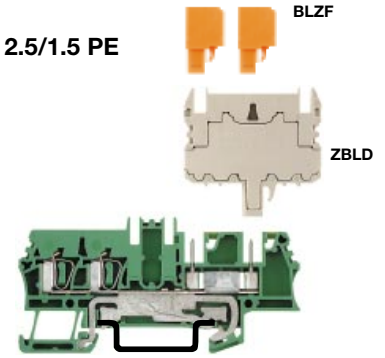
<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

## Pluggable Ground Terminal block

### ZKBD 2.5/1.5 PE



### ZKSD 2.5/1.5 PE



#### Dimensions

Width / length / height plugged in (mm) with TS 35 x 7,5   
 Insulation stripping length mm

#### Rated data

Rated voltage / current PEN / cross-section  
 Rated voltage / rated impulse voltage / pollution severity to VDE 0110/1.89 to adjacent terminal

#### Further technical data

Clampable conductor:  
 solid H07V-U mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 with ferrule to DIN 46 228/1\*\* mm<sup>2</sup>  
 with ferrule with plastic insulating collar\*\* mm<sup>2</sup>  
 Max. Clamping Range in mm<sup>2</sup>/Gauge pin to IEC 947-1/1988 Size

#### UL / CSA rated data

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

#### Ordering data

Base terminal block Version Green/yellow Wemid

#### Connector

#### ZKBD PE / ZSLD ZKBD PE / SLZF

5/79/62 5/79/49  
 8 7

-V/-A/2,5 mm<sup>2</sup> -V/-A/1,5 mm<sup>2</sup>  
 250 V/4 kV/3 250 V/4 kV/3

#### Type Cat. No. Qty.

| Type             | Cat. No.      | Qty. | Type         | Cat. No.      | Qty. |
|------------------|---------------|------|--------------|---------------|------|
| ZKBD 2.5 /1.5 PE | <b>168827</b> | 100  |              |               |      |
| ZSLD 2.5/1.5/2   | <b>168828</b> | 25   | SLZF 5,08/2  | <b>167945</b> | 100  |
| ZSLD 2.5/1.5/3   | <b>168829</b> | 25   | SLZF 5,08/3  | <b>167946</b> | 100  |
| ZSLD 2.5/1.5/4   | <b>168889</b> | 25   | SLZF 5,08/4  | <b>167947</b> | 100  |
| ZSLD 2.5/1.5/5   | <b>168890</b> | 20   | SLZF 5,08/5  | <b>167948</b> | 50   |
| ZSLD 2.5/1.5/6   | <b>168891</b> | 20   | SLZF 5,08/6  | <b>167949</b> | 50   |
| ZSLD 2.5/1.5/7   | <b>168892</b> | 20   | SLZF 5,08/7  | <b>167950</b> | 50   |
| ZSLD 2.5/1.5/8   | <b>168893</b> | 20   | SLZF 5,08/8  | <b>167951</b> | 50   |
| ZSLD 2.5/1.5/9   | <b>168894</b> | 10   | SLZF 5,08/9  | <b>167952</b> | 50   |
| ZSLD 2.5/1.5/10  | <b>168895</b> | 10   | SLZF 5,08/10 | <b>167953</b> | 50   |
| ZSLD 2.5/1.5/11  | <b>168896</b> | 10   | SLZF 5,08/11 | <b>167954</b> | 50   |
| ZSLD 2.5/1.5/12  | <b>168897</b> | 10   | SLZF 5,08/12 | <b>167955</b> | 50   |

#### ZKSD PE / ZBLD ZKSD PE / BLZF

5/79/62 5/79/49  
 8 7

-V/-A/2,5 mm<sup>2</sup> -V/-A/1,5 mm<sup>2</sup>  
 250 V/4 kV/3 250 V/4 kV/3

#### Type Cat. No. Qty.

| Type            | Cat. No.      | Qty. | Type         | Cat. No.      | Qty. |
|-----------------|---------------|------|--------------|---------------|------|
| ZKSD 2.5/1.5 PE | <b>169762</b> | 100  |              |               |      |
| ZBLD 2.5/1.5/2  | <b>169763</b> | 25   | BLZF 5.08/2  | <b>167991</b> | 100  |
| ZBLD 2.5/1.5/3  | <b>169764</b> | 25   | BLZF 5.08/3  | <b>167992</b> | 100  |
| ZBLD 2.5/1.5/4  | <b>169765</b> | 25   | BLZF 5.08/4  | <b>167993</b> | 100  |
| ZBLD 2.5/1.5/5  | <b>169766</b> | 20   | BLZF 5.08/5  | <b>167994</b> | 50   |
| ZBLD 2.5/1.5/6  | <b>169767</b> | 20   | BLZF 5.08/6  | <b>167995</b> | 50   |
| ZBLD 2.5/1.5/7  | <b>169768</b> | 20   | BLZF 5.08/7  | <b>167996</b> | 50   |
| ZBLD 2.5/1.5/8  | <b>169769</b> | 20   | BLZF 5.08/8  | <b>167997</b> | 50   |
| ZBLD 2.5/1.5/9  | <b>169770</b> | 10   | BLZF 5.08/9  | <b>167998</b> | 50   |
| ZBLD 2.5/1.5/10 | <b>169771</b> | 10   | BLZF 5.08/10 | <b>167999</b> | 50   |
| ZBLD 2.5/1.5/11 | <b>169772</b> | 10   | BLZF 5.08/11 | <b>168000</b> | 50   |
| ZBLD 2.5/1.5/12 | <b>169773</b> | 10   | BLZF 5.08/12 | <b>168001</b> | 50   |

#### End plate / partition/Fixing bracket Version

ZAP Wemid  
 Orange PA  
 Orange PA



| Type     | Cat. No.      | Qty. | Type     | Cat. No.      | Qty. |
|----------|---------------|------|----------|---------------|------|
| ZAP/TW 3 | <b>160880</b> | 50   | ZAP 6    | <b>168830</b> | 50   |
| ZAP/TW 3 | <b>160882</b> | 50   | ZAP 6    | <b>168833</b> | 50   |
| ZVR      | <b>168834</b> | 20   | ZAP/VR 1 | <b>168831</b> | 50   |

| Type     | Cat. No.      | Qty. | Type     | Cat. No.      | Qty. |
|----------|---------------|------|----------|---------------|------|
| ZAP/TW 3 | <b>160880</b> | 50   | ZAP 6    | <b>168830</b> | 50   |
| ZAP/TW 3 | <b>160882</b> | 50   | ZAP 6    | <b>168833</b> | 50   |
| ZVR      | <b>168834</b> | 20   | ZAP/VR 1 | <b>168831</b> | 50   |

#### Support block

SH For insulation of mounting rails in insulated-earth installations



SH 2 **049492** 10

SH 2 **049492** 10

#### Test adapter Version

ZTA With pin



ZTA 4/ZA **168811** 25

ZTA 4/ZA **168811** 25

#### Screwdriver

SD to DIN 5264-A



SD 0,6 x 3,5 **902423** 1

SD 0,6 x 3,5 **902423** 1

#### Group marking

ZGB Blank snap-on tag  
 ESO Transparent protective cover  
 STR



| Type   | Cat. No.      | Qty. | Type | Cat. No. | Qty. |
|--------|---------------|------|------|----------|------|
| ZGB 30 | <b>161193</b> | 20   |      |          |      |
| ESO 7  | <b>160772</b> | 240  |      |          |      |
| STR 7  | <b>051530</b> | 20   |      |          |      |

| Type   | Cat. No.      | Qty. | Type | Cat. No. | Qty. |
|--------|---------------|------|------|----------|------|
| ZGB 30 | <b>161193</b> | 20   |      |          |      |
| ESO 7  | <b>160772</b> | 240  |      |          |      |
| STR 7  | <b>051530</b> | 20   |      |          |      |

#### Reducing sleeves\*\*\* Colour

ZRH for conductor 0,13...0,2 mm<sup>2</sup> White  
 ZRH for conductor 0,25...0,5 mm<sup>2</sup> Grey  
 ZRH for conductor 0,75...1 mm<sup>2</sup> Dark grey



| Type        | Cat. No.      | Qty. | Type        | Cat. No.      | Qty. |
|-------------|---------------|------|-------------|---------------|------|
| ZRH 1.5H /1 | <b>167881</b> | 100  | ZRH 1.5N /1 | <b>163214</b> | 100  |
| ZRH 1.5H /2 | <b>167880</b> | 100  | ZRH 1.5N /2 | <b>163213</b> | 100  |
| ZRH 1.5H /3 | <b>167879</b> | 100  | ZRH 1.5N /3 | <b>163212</b> | 100  |

| Type        | Cat. No.      | Qty. | Type        | Cat. No.      | Qty. |
|-------------|---------------|------|-------------|---------------|------|
| ZRH 1.5H /1 | <b>167881</b> | 100  | ZRH 1.5N /1 | <b>163214</b> | 100  |
| ZRH 1.5H /2 | <b>167880</b> | 100  | ZRH 1.5N /2 | <b>163213</b> | 100  |
| ZRH 1.5H /3 | <b>167879</b> | 100  | ZRH 1.5N /3 | <b>163212</b> | 100  |

#### Marking tags Print

DEK Consecutive horizontal  
 DEK Consecutive vertical  
 ZS 10 Blank  
 ZS 10 Printed



| Type    | Cat. No.      | Qty. | Type | Cat. No. | Qty. |
|---------|---------------|------|------|----------|------|
| DEK 5   | <b>047346</b> | 500  |      |          |      |
| DEK 5   | <b>047356</b> | 500  |      |          |      |
| ZS 10/5 | <b>161000</b> | 480  |      |          |      |
| ZS 10/5 | <b>161001</b> | 480  |      |          |      |

| Type    | Cat. No.      | Qty. | Type | Cat. No. | Qty. |
|---------|---------------|------|------|----------|------|
| DEK 5   | <b>047346</b> | 500  |      |          |      |
| DEK 5   | <b>047356</b> | 500  |      |          |      |
| ZS 10/5 | <b>161000</b> | 480  |      |          |      |
| ZS 10/5 | <b>161001</b> | 480  |      |          |      |

See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for \*\* Ferrules crimped gas-tight \*\*\* Standard pack includes 100 strips for 10 poles each

1) Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

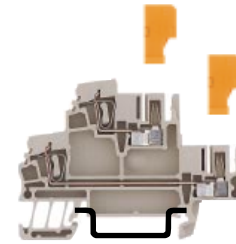
**Pluggable Terminal blocks**

**ZDKS**

**ZDKB**




BLZF



SLZF

**Dimensions**

Width / length / height plugged in (mm) with TS 35 x 7,5   
 Insulation stripping length mm

**Rated data**

Rated voltage / current / cross-section  
 Rated insulation voltage to VDE 0110 / 2.89 / pollution severity

**Further technical data**

Clampable conductor:  
 solid H07V-U mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 with ferrule to DIN 46 228/1\*\* mm<sup>2</sup>  
 with ferrule with plastic insulating collar\*\* mm<sup>2</sup>  
 Max. Clamping Range in mm<sup>2</sup> / Gauge pin to IEC 947-1/1988 Size  
 Continuous current rating of cross-connection 2-pole A  
 Continuous current rating of cross-connection multipole A

**UL / CSA rated data**

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

**Ordering data**

Base terminal block Wemid

Connector

**End plate / partition/Verriegelung** Version

ZAP  Wemid  
 ZVR  Beige PA  
 ZVR  grün PA

**Cross-connection**

ZQV 2.5



**Test adapter** Version

ZTA  With pin

**Screwdriver**

SD to DIN 5264-A

**Group marking**

ZGB  Blank snap-on tag  
 ESO  Transparent protective cover  
 STR 

**Reducing sleeves\*\*\*** Colour

ZRH for conductor 0,13...0,2 mm<sup>2</sup>  White  
 ZRH for conductor 0,25...0,5 mm<sup>2</sup>  Grey  
 ZRH for conductor 0,75...1 mm<sup>2</sup>  Dark grey

**Marking tags** Print

DEK  Consecutive horizontal  
 DEK  Consecutive vertical  
 ZS 10  Blank  
 ZS 10  Printed

See page 2/60 as well as section 3 for additional accessories

**ZDKS**

5/79/62  
 8

**BLZF**

5/79/49  
 7

**ZDKS**

250 V/16 A/2,5 mm<sup>2</sup>  
 4 kV/3  
 0,5...2,5  
 0,5...2,5  
 0,5...1,5<sup>1)</sup>  
 0,5...1,5  
 0,13...2,5 A2  
 16  
 16  
 \*

**UL / CSA rated data**

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

**Ordering data**

Type Cat. No. Qty.  
 ZDKS **169961** 100

BLZF 5.08/2 **167991** 100  
 BLZF 5.08/3 **167992** 100  
 BLZF 5.08/4 **167993** 100  
 BLZF 5.08/5 **167994** 50  
 BLZF 5.08/6 **167995** 50  
 BLZF 5.08/7 **167996** 50  
 BLZF 5.08/8 **167997** 50  
 BLZF 5.08/9 **167998** 50  
 BLZF 5.08/10 **167999** 50  
 BLZF 5.08/11 **168000** 50  
 BLZF 5.08/12 **168001** 50

ZAP/ZDKB/ZDKS **169962** 20

ZVR2 ZDKS 2.5/1.5 **169964** 20

ZQV 2.5N/2 **169380** 60  
 ZQV 2.5N/3 **169381** 60  
 ZQV 2.5N/4 **169382** 60  
 ZQV 2.5N/5 **169383** 20  
 ZQV 2.5N/6 **169384** 20  
 ZQV 2.5N/7 **169385** 20  
 ZQV 2.5N/8 **169386** 20  
 ZQV 2.5N/9 **169387** 20  
 ZQV 2.5N/10 **169388** 20  
 ZQV 2.5N/50 **169389** 5

ZTA 4/ZA **168811** 25

SD 0,6 x 3,5 **902423** 1

ZGB 30 **161193** 20  
 ESO 7 **160772** 240  
 STR 7 **051530** 20

**ZDKS**

ZRH 1.5H /1 **167881** 100  
 ZRH 1.5H /2 **167880** 100  
 ZRH 1.5H /3 **167879** 100

**BLZF**

ZRH 1.5N /1 **163214** 100  
 ZRH 1.5N /2 **163213** 100  
 ZRH 1.5N /3 **163212** 100  
 DEK 5 **047346** 500  
 DEK 5 **047356** 500  
 ZS 10/5 **161000** 480  
 ZS 10/5 **161001** 480

**ZDKB**

5/79/62  
 8

**SLZF**

5/79/49  
 7

**ZDKB**

250 V/16 A/2,5 mm<sup>2</sup>  
 4 kV/3  
 0,5...2,5  
 0,5...2,5  
 0,5...1,5<sup>1)</sup>  
 0,5...1,5  
 0,13...2,5 A2  
 16  
 16  
 \*

**UL / CSA rated data**

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

**Ordering data**

Type Cat. No. Qty.  
 ZDKB **169960** 100

SLZF 5.08/2 **167945** 100  
 SLZF 5.08/3 **167946** 100  
 SLZF 5.08/4 **167947** 100  
 SLZF 5.08/5 **167948** 50  
 SLZF 5.08/6 **167949** 50  
 SLZF 5.08/7 **167950** 50  
 SLZF 5.08/8 **167951** 50  
 SLZF 5.08/9 **167952** 50  
 SLZF 5.08/10 **167953** 50  
 SLZF 5.08/11 **167954** 50  
 SLZF 5.08/12 **167955** 50

ZAP/ZDKB/ZDKS **169962** 20

ZVR1 ZDKS 2.5/1.5 **169963** 20

ZQV 2.5N/2 **169380** 60  
 ZQV 2.5N/3 **169381** 60  
 ZQV 2.5N/4 **169382** 60  
 ZQV 2.5N/5 **169383** 20  
 ZQV 2.5N/6 **169384** 20  
 ZQV 2.5N/7 **169385** 20  
 ZQV 2.5N/8 **169386** 20  
 ZQV 2.5N/9 **169387** 20  
 ZQV 2.5N/10 **169388** 20  
 ZQV 2.5N/50 **169389** 5

ZTA 4/ZA **168811** 25

SD 0,6 x 3,5 **902423** 1

ZGB 30 **161193** 20  
 ESO 7 **160772** 240  
 STR 7 **051530** 20

**ZDKB**

ZRH 1.5H /1 **167881** 100  
 ZRH 1.5H /2 **167880** 100  
 ZRH 1.5H /3 **167879** 100

**SLZF**

ZRH 1.5N /1 **163214** 100  
 ZRH 1.5N /2 **163213** 100  
 ZRH 1.5N /3 **163212** 100  
 DEK 5 **047346** 500  
 DEK 5 **047356** 500  
 ZS 10/5 **161000** 480  
 ZS 10/5 **161001** 480

<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5  
 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

## ZDUB 2.5-2

### Miniblocks in tension clamp technology

New family of miniature block terminals incorporating the tension clamp connection system and offering four different options for mounting.

- 1 Fitted without a mounting rail directly onto any supporting unit by means of external screws
- 1 Fitted without a mounting rail directly onto base panels by means of integrated snap-in clips
- 1 Fitted onto TS15 mounting rails in accordance with DIN EN 50 045
- 1 Option for fitting onto TS15 and TS 35 mounting rails by retrofitting a snap-on foot to direct-mounting versions

With this family of miniature block terminals it is possible to form individual blocks of 2 and 4-connection units as well as to combine the TS15 version with directly mounted intermediate terminals. The same applies also to the snap-in clip version if not all terminals require separate attachment. By assigning different colours to individual groups of connections, a clear division can be made between different circuits.

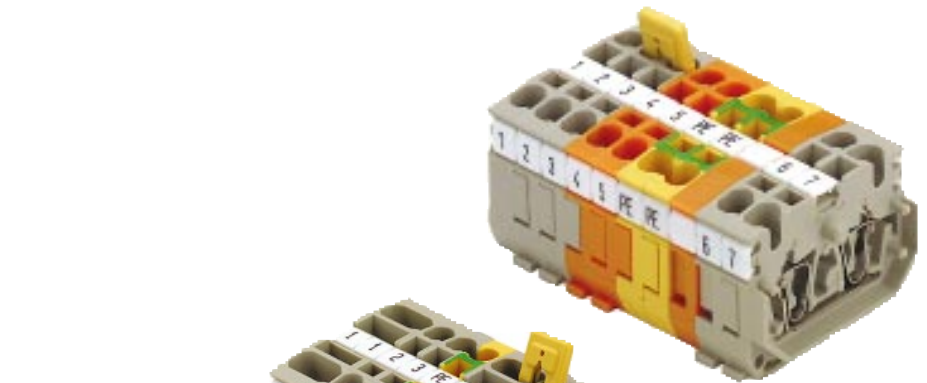
With an overall width of either 5 mm (2 connections) or 10 mm (4 connections), the TOP connection system guarantees absolute clarity when the blocks are wired up. Even in terminal boxes where space is limited, the wiring remains neat and comprehensible.

With three options for marking, each individual block terminal can be identified quickly and unambiguously.

All block terminals are made from high-quality Weidmüller WEMID insulating material which conforms to the UL94 V0 flammability rating.

#### Summary of advantages

- 1 Four different mounting options
- 1 Two versions
  - 5 mm width with 2 connections
  - 10 mm width with 4 connections
- 1 Space-saving creation of individual blocks by combining 2 and 4-connection versions
- 1 TOP connection system guarantees clarity after terminals have been wired up
- 1 UL94 V0 flammability rating



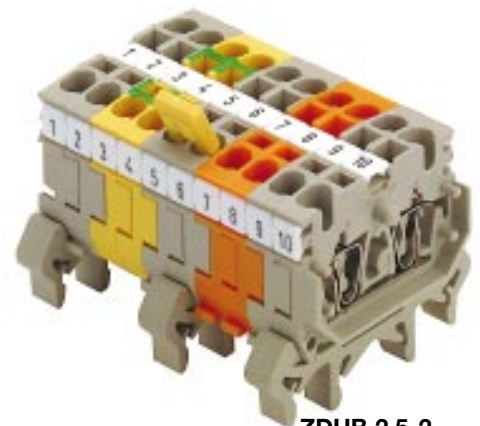
**ZDUB 2.5-2**  
Direct mounting



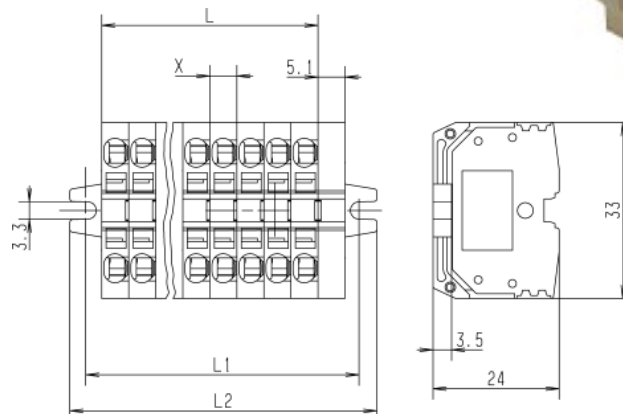
**ZDUB 2.5-2**  
Snap-in clips



**ZDUB 2.5-2**  
TS15



**ZDUB 2.5-2**  
TS15 / TS35



#### Rated data IEC 947-7-1

Rated voltage 800 V  
 Rated current 24 A  
 Rated cross-section 2,5 mm<sup>2</sup>

#### Drilling plan (Dimensions in mm)

$L = (X \text{ terminals} \times 5,15) + (X \text{ terminals} \times 10,25)$   
 $L1 = L + 11,0$   
 $L2 = L + 17,0$   
 Fixing screw M 3

## Miniblocks

### ZDUB 2.5-2/2AN

Direct mounting



### ZDUB 2.5-2/4AN

Direct mounting



### ZDUB 2.5-2/2AN




Snap-in clips



### ZDUB 2.5-2/4AN

Snap-in clips



| Dimensions  |  | ZDUB 2.5-2/2AN   |  | ZDUB 2.5-2/4AN                 |  | ZDUB 2.5-2/2AN                 |  | ZDUB 2.5-2/4AN                 |  |
|---|--|--|--|--------------------------------|--|--------------------------------|--|--------------------------------|--|
| Width / length / height (mm)  | with TS 15  | 5/33/24  |  | 10/33/24                       |  | 5/33/24                        |  | 10/33/24                       |  |
| Insulation stripping length   | mm   | 10   |  | 10                             |  | 10                             |  | 10                             |  |
| <b>Rated data IEC 947-1</b>   |  | 800 V/24 A/2,5 mm <sup>2</sup>                             |  | 800 V/24 A/2,5 mm <sup>2</sup> |  | 800 V/24 A/2,5 mm <sup>2</sup> |  | 800 V/24 A/2,5 mm <sup>2</sup> |  |
| Rated voltage / current / cross-section   |  | 8 kV/3   |  | 8 kV/3                         |  | 8 kV/3                         |  | 8 kV/3                         |  |
| Rated insulation voltage to the neighbor terminals                                      |  |  |  |                                |  |                                |  |                                |  |
| Rated impulse voltage / pollution severity  |  |  |  |                                |  |                                |  |                                |  |
| <b>Further technical data</b>   |  |  |  |                                |  |                                |  |                                |  |
| Clampable conductor:  |  |  |  |                                |  |                                |  |                                |  |
| solid H07V-U  | mm <sup>2</sup>  | 0,5...2,5  |  | 0,5...2,5                      |  | 0,5...2,5                      |  | 0,5...2,5                      |  |
| flexible H07V-K   | mm <sup>2</sup>  | 0,5...2,5  |  | 0,5...2,5                      |  | 0,5...2,5                      |  | 0,5...2,5                      |  |
| with ferrule to DIN 46 228/1**  | mm <sup>2</sup>  | 0,5...1,5 <sup>1)</sup>                                    |  | 0,5...1,5 <sup>1)</sup>        |  | 0,5...1,5 <sup>1)</sup>        |  | 0,5...1,5 <sup>1)</sup>        |  |
| with ferrule with plastic insulating collar**   | mm <sup>2</sup>  | 0,5...1,5 <sup>1)</sup>                                    |  | 0,5...1,5 <sup>1)</sup>        |  | 0,5...1,5 <sup>1)</sup>        |  | 0,5...1,5 <sup>1)</sup>        |  |
| Max. Clamping Range in mm <sup>2</sup> /Gauge pin to IEC 947-1/1988 Size                |  | 0,13...2,5 A2  |  | 0,13...2,5 A2                  |  | 0,13...2,5 A2                  |  | 0,13...2,5 A2                  |  |
| <b>UL / CSA rated data</b>  |  |  |  | 600V/20A/26...12AWG            |  |                                |  | 600V/20A/26...12AWG            |  |
| Voltage / current / conductor size  | UL   | -  |  | -                              |  | -                              |  | -                              |  |
| Voltage / current / conductor size  | CSA  | -  |  | -                              |  | -                              |  | -                              |  |
| <b>Ordering data</b>  |  | <b>Version</b>   |  | <b>Type</b>                    |  | <b>Cat. No.</b>                |  | <b>Qty.</b>                    |  |
| <b>Centreterminals ZDUB 2.5-2/2AN and 4AN</b>   |  | beige Wemid  |  | 2AN/DM                         |  | 170435                         |  | 100                            |  |
| to be used with TS 15 or Clip versions,   |  | blue Wemid   |  | 2AN/DM BL                      |  | 170436                         |  | 100                            |  |
| in case each individual terminal is not   |  | orange PA  |  | 2AN/DM OR                      |  | 170437                         |  | 100                            |  |
| equipped with clip or foot  |  | yellow/green Wemid   |  | 2AN/DM GE                      |  | 170438                         |  | 100                            |  |
| <b>Endterminal ZDUB 2.5-2</b>   |  | beige Wemid  |  | 2AN/DB                         |  | 170450                         |  | 100                            |  |
| with flange.  |  | blue Wemid   |  | 2AN/DB BL                      |  | 170451                         |  | 100                            |  |
| Necessary for customer assembly of  |  | orange PA  |  | 2AN/DB OR                      |  | 170452                         |  | 100                            |  |
| individual No. of poles   |  | yellow/green Wemid   |  | 2AN/DB GE                      |  | 170453                         |  | 100                            |  |
| <b>Multipole terminals ZDUB 2.5-2</b>   |  | 2 pol  |  | 2AN/2/DB                       |  | 170439                         |  | 50                             |  |
| Special versions out off 2AN and 4An  |  | 3 pol  |  | 2AN/3/DB                       |  | 170440                         |  | 50                             |  |
| as well as other colours will be supplied   |  | 4 pol  |  | 2AN/4/DB                       |  | 170441                         |  | 20                             |  |
| upon customer request.  |  | 5 pol  |  | 2AN/5/DB                       |  | 170442                         |  | 20                             |  |
|   |  | 7-pole   |  | 2AN/6/DB                       |  | 170443                         |  | 20                             |  |
|   |  | 8-pole   |  | 2AN/7/DB                       |  | 170444                         |  | 20                             |  |
|   |  | 9-pole   |  | 2AN/8/DB                       |  | 170445                         |  | 10                             |  |
|   |  | 10-pole  |  | 2AN/9/DB                       |  | 170446                         |  | 10                             |  |
|   |  | 11-pole  |  | 2AN/10/DB                      |  | 170447                         |  | 10                             |  |
|   |  | 12-pole  |  | 2AN/11/DB                      |  | 170448                         |  | 10                             |  |
|   |  |  |  | 2AN/12/DB                      |  | 170449                         |  | 10                             |  |
| <b>Fixing bracket</b>   |  | Necessary for customer assembly of individual No. of poles |  | ZBB ZDUB                       |  | 170474                         |  | 50                             |  |
| <b>Clip-on combifoot</b>  |  | TS15 / TS35 for direct mounting versions                   |  | MOFU 15/35 ZDUB                |  | 172366                         |  | 50                             |  |
| <b>End plate</b>  |  | ZAP ZDUB = Thickness 5 mm Wemid                            |  | ZBB ZDUB                       |  | 170474                         |  | 50                             |  |
| ZAP/TW ZDUA = Thickness 1.5 mm Blue Wemid   |  |  |  |                                |  |                                |  |                                |  |
|   |  | Orange Wemid   |  |                                |  |                                |  |                                |  |
| <b>Partition</b>  |  | Thickness 5 mm Orange Wemid                                |  | ZTW ZDUB                       |  | 170434                         |  | 50                             |  |
| <b>Cross-connection</b>   |  | ZQB 2.5 für ZDUB-Type 2-pole                               |  | ZTW ZDUB                       |  | 170434                         |  | 50                             |  |
| ZQV 2.5N für ZDUA-Type 3-pole   |  |  |  |                                |  |                                |  |                                |  |
|   |  | 4-pole   |  |                                |  |                                |  |                                |  |
|   |  | 10-pole  |  |                                |  |                                |  |                                |  |
| <b>Screwdriver</b>  |  | SD to DIN 5264-A   |  | SD 0,6 x 3,5                   |  | 902423                         |  | 1                              |  |
|   |  |  |  | SD 0,6 x 3,5                   |  | 902423                         |  | 1                              |  |
|   |  |  |  | SD 0,6 x 3,5                   |  | 902423                         |  | 1                              |  |
|   |  |  |  | SD 0,6 x 3,5                   |  | 902423                         |  | 1                              |  |
| <b>Marking tags</b>   |  | <b>Print</b>   |  | DEK 5                          |  | 047346                         |  | 500                            |  |
| DEK  |  | Consecutive horizontal                                     |  | DEK 5                          |  | 047356                         |  | 500                            |  |
| DEK  |  | Consecutive vertical                                       |  | ZS 10/5                        |  | 161000                         |  | 480                            |  |
| ZS 10   |  | Blank  |  | ZS 10/5                        |  | 161001                         |  | 480                            |  |
| ZS 10   |  | printed  |  | ZS 10/5                        |  | 161001                         |  | 480                            |  |

See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for  
\*\* Ferrules crimped gas-tight

<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

<sup>2)</sup> Mountinghole for clip ø 3,5 mm Steelthickness 0,6 -1,2 m, pitch 5,1 or 10,2

**ZDUB 2.5-2/2AN**

TS 15



|                                |
|--------------------------------|
| 5/33/32                        |
| 10                             |
| 800 V/24 A/2,5 mm <sup>2</sup> |
| 8 kV/3                         |
| 0,5...2,5                      |
| 0,5...2,5                      |
| 0,5...1,5 <sup>1)</sup>        |
| 0,5...1,5 <sup>1)</sup>        |
| 0,13...2,5                     |
| A2                             |

- \*  
- \*

| Type      | Cat. No.      | Qty. |
|-----------|---------------|------|
| 2AN/15    | <b>171275</b> | 100  |
| 2AN/15 BL | <b>171276</b> | 100  |
| 2AN/15 OR | <b>171277</b> | 100  |

|           |               |    |
|-----------|---------------|----|
| 2AN/2/15  | <b>171433</b> | 50 |
| 2AN/3/15  | <b>171434</b> | 50 |
| 2AN/4/15  | <b>171435</b> | 20 |
| 2AN/5/15  | <b>171436</b> | 20 |
| 2AN/6/15  | <b>171437</b> | 20 |
| 2AN/7/15  | <b>171438</b> | 20 |
| 2AN/8/15  | <b>171439</b> | 10 |
| 2AN/9/15  | <b>171440</b> | 10 |
| 2AN/10/15 | <b>171441</b> | 10 |
| 2AN/11/15 | <b>171442</b> | 10 |
| 2AN/12/15 | <b>171443</b> | 10 |

|             |               |    |
|-------------|---------------|----|
| ZAP ZDUB    | <b>170475</b> | 50 |
| ZAP ZDUB BL | <b>170476</b> | 50 |
| ZAP ZDUB OR | <b>170477</b> | 50 |

|          |               |    |
|----------|---------------|----|
| ZTW ZDUB | <b>170434</b> | 50 |
|----------|---------------|----|

|              |               |   |
|--------------|---------------|---|
| SD 0,6 x 3,5 | <b>902423</b> | 1 |
|--------------|---------------|---|

|         |               |     |
|---------|---------------|-----|
| DEK 5   | <b>047346</b> | 500 |
| DEK 5   | <b>047356</b> | 500 |
| ZS 10/5 | <b>161000</b> | 480 |
| ZS 10/5 | <b>161001</b> | 480 |

**ZDUB 2.5-2/4AN**

TS 15



|                                |
|--------------------------------|
| 10/33/32                       |
| 10                             |
| 800 V/24 A/2,5 mm <sup>2</sup> |
| 8 kV/3                         |
| 0,5...2,5                      |
| 0,5...2,5                      |
| 0,5...1,5 <sup>1)</sup>        |
| 0,5...1,5 <sup>1)</sup>        |
| 0,13...2,5                     |
| A2                             |

600V/20A/26...12AWG  
- \*

| Type      | Cat. No.      | Qty. |
|-----------|---------------|------|
| 4AN/15    | <b>171278</b> | 100  |
| 4AN/15 BL | <b>171279</b> | 100  |
| 4AN/15 OR | <b>171280</b> | 100  |

|           |               |    |
|-----------|---------------|----|
| 4AN/2/15  | <b>171444</b> | 50 |
| 4AN/3/15  | <b>171445</b> | 50 |
| 4AN/4/15  | <b>171446</b> | 20 |
| 4AN/5/15  | <b>171447</b> | 20 |
| 4AN/6/15  | <b>171448</b> | 20 |
| 4AN/7/15  | <b>171449</b> | 20 |
| 4AN/8/15  | <b>171450</b> | 10 |
| 4AN/9/15  | <b>171451</b> | 10 |
| 4AN/10/15 | <b>171452</b> | 10 |
| 4AN/11/15 | <b>171453</b> | 10 |
| 4AN/12/15 | <b>171454</b> | 10 |

|             |               |    |
|-------------|---------------|----|
| ZAP ZDUB    | <b>170475</b> | 50 |
| ZAP ZDUB BL | <b>170476</b> | 50 |
| ZAP ZDUB OR | <b>170477</b> | 50 |

|          |               |    |
|----------|---------------|----|
| ZTW ZDUB | <b>170434</b> | 50 |
|----------|---------------|----|

|         |               |    |
|---------|---------------|----|
| ZQB 2.5 | <b>167712</b> | 50 |
|---------|---------------|----|

|              |               |   |
|--------------|---------------|---|
| SD 0,6 x 3,5 | <b>902423</b> | 1 |
|--------------|---------------|---|

|         |               |     |
|---------|---------------|-----|
| DEK 5   | <b>047346</b> | 500 |
| DEK 5   | <b>047356</b> | 500 |
| ZS 10/5 | <b>161000</b> | 480 |
| ZS 10/5 | <b>161001</b> | 480 |

**ZPEB 2.5-2/2AN**

TS 15



|                          |
|--------------------------|
| 5/33/32                  |
| 10                       |
| <b>IEC 947-7-2</b>       |
| - /-/2,5 mm <sup>2</sup> |
| 800 V                    |
| 8 kV/3                   |
| 0,5...2,5                |
| 0,5...2,5                |
| 0,5...1,5 <sup>1)</sup>  |
| 0,5...1,5 <sup>1)</sup>  |
| 0,13...2,5               |
| A2                       |

- \*  
- \*

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| 2AN/15 | <b>171281</b> | 100  |

|          |               |     |
|----------|---------------|-----|
| 2AN/2/15 | <b>171281</b> | 100 |
|----------|---------------|-----|

|             |               |    |
|-------------|---------------|----|
| ZAP ZDUB    | <b>170475</b> | 50 |
| ZAP ZDUB BL | <b>170476</b> | 50 |
| ZAP ZDUB OR | <b>170477</b> | 50 |

|          |               |    |
|----------|---------------|----|
| ZTW ZDUB | <b>170434</b> | 50 |
|----------|---------------|----|

|              |               |   |
|--------------|---------------|---|
| SD 0,6 x 3,5 | <b>902423</b> | 1 |
|--------------|---------------|---|

|         |               |     |
|---------|---------------|-----|
| DEK 5   | <b>047346</b> | 500 |
| DEK 5   | <b>047356</b> | 500 |
| ZS 10/5 | <b>161000</b> | 480 |
| ZS 10/5 | <b>161001</b> | 480 |

**New miniature terminals in tension clamp technology with modular terminal block features**

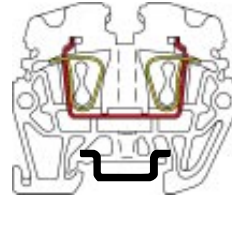
For attaching onto TS 15 mounting rails according to DIN EN 50045. ZDUA / ZPEA enable individual blocks of feed-through and protective conductive terminals to be assembled, whereby each terminal can be removed separately. With an overall width of 5 mm, the TOP connection system guarantees absolute clarity when the blocks are wired up. The time-saving ZQV 2,5N plug-in cross-connection can also be used with this series. Electrical contact is made by the protective conductor terminals automatically when they snap onto the mounting rail. With three options for marking, each individual block terminal can be identified quickly and unambiguously.

**Summary of advantages:**

- For mounting onto TS15 rails according to DIN EN 50045
- Plug-in cross-connections
- Mere 5 mm overall width
- TOP connection system
- UL94 V0 flammability rating

**ZDUA 2.5-2**

TS 15  
available Sep. 97



|                                |
|--------------------------------|
| 5/35/30,5                      |
| 10                             |
| 500 V/24 A/2,5 mm <sup>2</sup> |
| 6 kV / 3                       |
| 0,5...2,5                      |
| 0,5...2,5                      |
| 0,5...1,5 <sup>1)</sup>        |
| 0,5...1,5 <sup>1)</sup>        |
| 0,13...2,5                     |
| A2                             |

- \*  
- \*

| Type          | Cat. No.      | Qty. |
|---------------|---------------|------|
| ZDUA 2.5-2    | <b>172092</b> | 100  |
| ZDUA 2.5-2 BL | <b>172093</b> | 100  |
| ZDUA 2.5-2 OR | <b>172094</b> | 100  |

|               |               |     |
|---------------|---------------|-----|
| ZDUA 2.5-2    | <b>172092</b> | 100 |
| ZDUA 2.5-2 BL | <b>172093</b> | 100 |
| ZDUA 2.5-2 OR | <b>172094</b> | 100 |

|                |               |    |
|----------------|---------------|----|
| ZAP/TW ZDUA    | <b>172096</b> | 50 |
| ZAP/TW ZDUA BL | <b>172096</b> | 50 |
| ZAP/TW ZDUA OR | <b>172096</b> | 50 |

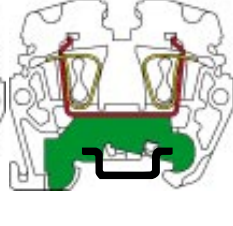
|             |               |    |
|-------------|---------------|----|
| ZQV 2.5N/2  | <b>169380</b> | 60 |
| ZQV 2.5N/3  | <b>169381</b> | 60 |
| ZQV 2.5N/4  | <b>169382</b> | 60 |
| ZQV 2.5N/10 | <b>169388</b> | 20 |

|              |               |   |
|--------------|---------------|---|
| SD 0,6 x 3,5 | <b>902423</b> | 1 |
|--------------|---------------|---|

|         |               |     |
|---------|---------------|-----|
| DEK 5   | <b>047346</b> | 500 |
| DEK 5   | <b>047356</b> | 500 |
| ZS 10/5 | <b>161000</b> | 480 |
| ZS 10/5 | <b>161001</b> | 480 |

**ZPEA 2.5-2**

TS 15  
available Sep. 97



|                               |
|-------------------------------|
| 5/35/30,5                     |
| 10                            |
| <b>IEC 947-7-2</b>            |
| -- V/-- A/2,5 mm <sup>2</sup> |
| 500 V                         |
| 6 kV / 3                      |
| 0,5...2,5                     |
| 0,5...2,5                     |
| 0,5...1,5 <sup>1)</sup>       |
| 0,5...1,5 <sup>1)</sup>       |
| 0,13...2,5                    |
| A2                            |

- \*  
- \*

| Type       | Cat. No.      | Qty. |
|------------|---------------|------|
| ZPEA 2.5-2 | <b>172095</b> | 100  |

|            |               |     |
|------------|---------------|-----|
| ZPEA 2.5-2 | <b>172095</b> | 100 |
|------------|---------------|-----|

|                |               |    |
|----------------|---------------|----|
| ZAP/TW ZDUA    | <b>172096</b> | 50 |
| ZAP/TW ZDUA BL | <b>172096</b> | 50 |
| ZAP/TW ZDUA OR | <b>172096</b> | 50 |

|              |               |   |
|--------------|---------------|---|
| SD 0,6 x 3,5 | <b>902423</b> | 1 |
|--------------|---------------|---|

|         |               |     |
|---------|---------------|-----|
| DEK 5   | <b>047346</b> | 500 |
| DEK 5   | <b>047356</b> | 500 |
| ZS 10/5 | <b>161000</b> | 480 |
| ZS 10/5 | <b>161001</b> | 480 |

## Accessories for the Z series

### ZZA 2.5

Additional terminal for:  
ZDU 2.5, ZDU 2.5/3 AN,  
ZDU 2.5/4 AN, ZTR 2.5  
und ZTR 2.5/3 AN



### ZBW

Actuating tools



### ZST

Bus Support



### ZQB 2.5

Cross-connection bridge



| Dimensions   |                 |                                  |    |  |  |            |  |  |            |
|--|-----------------|----------------------------------|----|--|--|------------|--|--|------------|
| Width / length / height  | mm              | 6/21/61                          |    |  |  | 10/61/27,5 |  |  | 2,5/8,6/23 |
| Insulation stripping length  | mm              | 10                               |    |  |  |            |  |  |            |
| Rated data   |                 |                                  |    |  |  |            |  |  |            |
| Rated voltage / current / cross-section                                  |                 | 400 V/17,5 A/2,5 mm <sup>2</sup> |    |  |  |            |  |  | 500V/24A   |
| Rated insulation voltage to VDE 0110 / 2.89 / pollution severity         |                 | 6 kV/3                           |    |  |  |            |  |  |            |
| Further technical data   |                 |                                  |    |  |  |            |  |  |            |
| Clampable conductor:   |                 |                                  |    |  |  |            |  |  |            |
| solid H07V-U   | mm <sup>2</sup> | 0,5...4                          |    |  |  |            |  |  |            |
| flexible H07V-K  | mm <sup>2</sup> | 0,5...4                          |    |  |  |            |  |  |            |
| with ferrule to DIN 46 228/1**   | mm <sup>2</sup> | 0,5...2,5                        |    |  |  |            |  |  |            |
| with ferrule with plastic insulating collar**                            | mm <sup>2</sup> | 0,5...2,5                        |    |  |  |            |  |  |            |
| Max. Clamping Range in mm <sup>2</sup> /Gauge pin to IEC 947-1/1988 Size |                 |                                  | A3 |  |  |            |  |  |            |

| Ordering data | Version | Type    |          |      | Type  |          |      | Type |          |      | Type |          |      |
|---------------|---------|---------|----------|------|-------|----------|------|------|----------|------|------|----------|------|
|               |         | Type    | Cat. No. | Qty. | Type  | Cat. No. | Qty. | Type | Cat. No. | Qty. | Type | Cat. No. | Qty. |
|               | Wemid   | ZZA 2.5 | 164669   | 50   | ZBW 1 | 166962   | 1    | ZST  | 167868   | 50   | ZQB  | 167712   | 50   |
|               |         |         |          |      | ZBW 2 | 165067   | 1    |      |          |      |      |          |      |
|               |         |         |          |      | ZBW 3 | 165068   | 1    |      |          |      |      |          |      |
|               |         |         |          |      | ZBW 4 | 165069   | 1    |      |          |      |      |          |      |
|               |         |         |          |      | ZBW 6 | 165070   | 1    |      |          |      |      |          |      |
|               |         |         |          |      | ZBW W | 166963   | 1    |      |          |      |      |          |      |

#### Fitting the ZZA 2.5

Place the locating hook in the screwdriver guide of the contact part in the cross connection channel and subsequently press into place. A 6 mm pitch is provided so that each second terminal can be used.



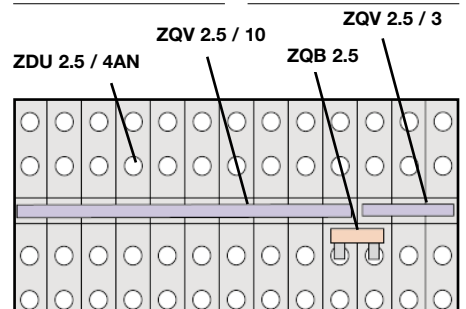
The ZBW 1 - 6 and ZBW W can be used for actuating the 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup> terminal clamping units. The ZBW W additionally offers easier access in confined spaces. The plastic actuating tools increase safety when working on energised systems.

The bus support ZST is used to park test plugs, cross-connections and fuse links which are used by service Engineers. The bus support can be locked at the end of a terminal strip on TS 35 mounting rail.

#### Fitting the ZQB 2.5

The cross-connection bridge ZQB 2.5 extends the cross-connection units ZQV 2.5 / ... for the terminals ZDU 2.5 / 3AN and ZDU 2.5 / 4AN. The clamping units are opened with the operation tool ZBW 2, Cat. no.: 165067. Using the ZQB as shown in the drawing, the following rated data can be obtained:

Rated voltage: 500 V  
Rated current: 24 A



#### Marking tags



**Print**  
Consecutive horizontal  
Consecutive vertical  
Blank  
Printed

|         |        |     |
|---------|--------|-----|
| DEK 5   | 047346 | 500 |
| DEK 5   | 047356 | 500 |
| ZS 10/5 | 161000 | 480 |
| ZS 10/5 | 161001 | 480 |



## Initiator terminals/Actuator terminals

### ZIK•ZAK - System advantages

For process control automation in machinery and plants, initiators (such as triggering switches) and actuators (such as magnetic valves) are important components. To reduce the amount of wiring needed they are grouped and wired together on the machine.

The limited space available often makes it difficult to install terminal enclosures. In such situations, it is necessary to use the smallest possible components since little room is provided for wiring and mounting of the enclosure. However, no compromises are acceptable in terms of ease of installation, accessibility and clarity of the wiring.

The new ZIK ZAK initiator/actuator terminal from our Z-Series, fulfills the demands for compactness and intraconnection by employing a novel modular construction.

#### Modular distributor Systems

The terminal needed to connect the initiator/actuator consists of a base element and clip-on distribution elements. The base element contains only the connectors for the signal line. The +/- supply and ground could be linked within the enclosure.

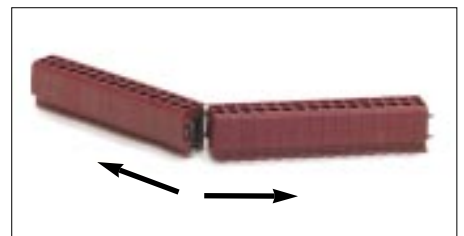
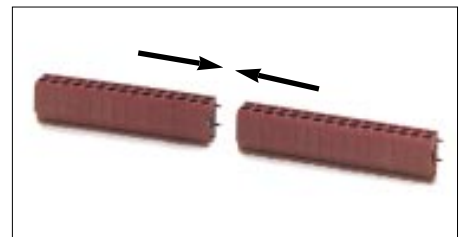
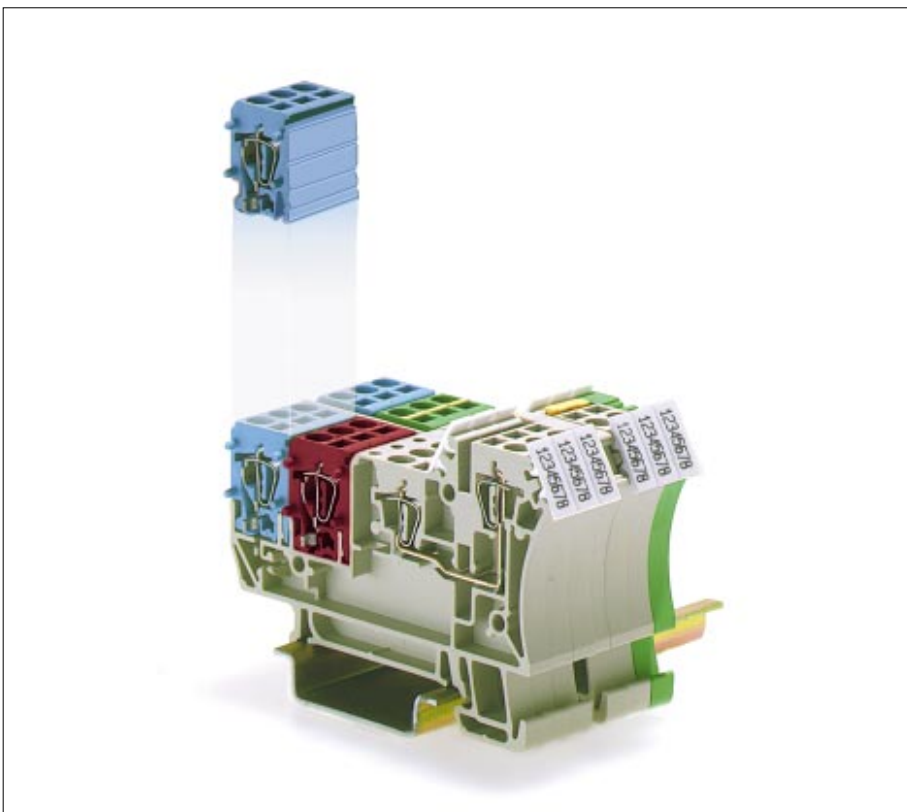
#### Marking systems

The use of coloured insulators (reddish-brown, blue and green/yellow) generally makes identification easy. The two marking channels for the connectors and signal are angled to improve legibility.

#### Modular distribution strip

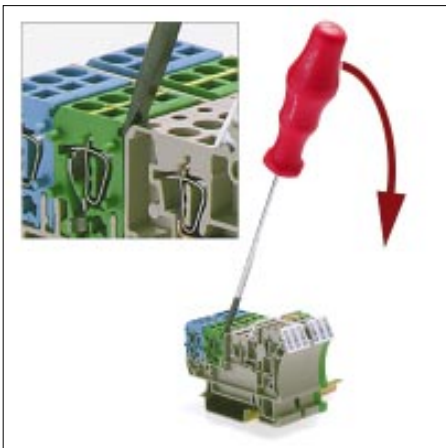
A cross-connection has already been integrated with a male connector on one side and a female connector on the opposite side. Joining the elements together automatically links up the cross-connection for power distribution.

There is no need for additional cross-connectors. There is no time spent attaching cross-connectors and, of course, no errors can be made with cross-connection. The user can determine the number of poles for cross-connection.



**Easy to modify**

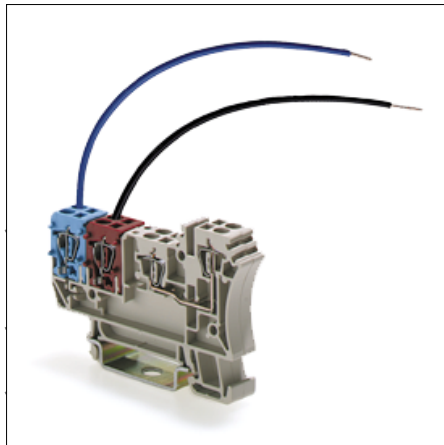
Once joined together the distribution strip simply clips onto the base element. There are no tools necessary. Should you want to remove a distribution strip you can simply pry it off with a cheese-head screw driver.



**Connection of actuators**

Ground (PE) can be connected with a PE element or using a standard PE terminal (such as the ZPE 22.5). The PE base element has the proven PE foot from the ZPE 2.5 and contacts automatically with the ZVL 1.5 PE distributor strip when mounted.

The contact takes place between the female contact of the first distributor element and the male contact in the PE foot of the PE base element.

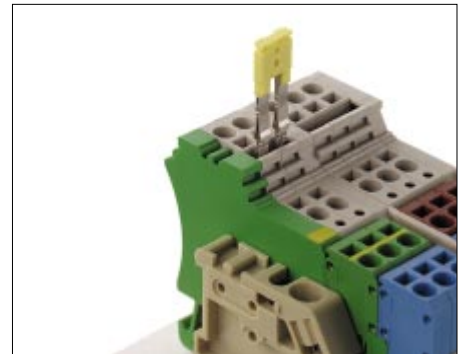


This is the innermost ratchet of both the 3-way and 4-way variants. If you use a standard PE terminal, this will have to be connected to the ZVL 1.5 PE distributor element with a suitable wire. The n+1 rule for the number of distributor elements also applies here. In other words, just 1 PE element per series (n) of base elements. Because of the design, the PE element should always be to the left of the block.



**Pluggable cross-connection system**

If you do need to cross-connect a signal line you can use the familiar ZQV/2.5 from Z-Series.



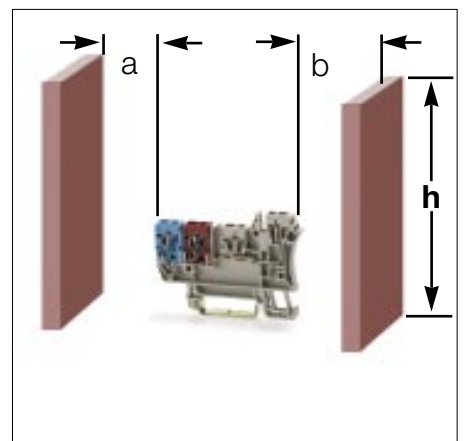
**Not much space required**

The TOP-connection also ensures easy access and easy-to-locate wiring. Wiring up the connector is easier and more reliable since wiring errors are quickly recognised. The strain on the wiring is lower with a TOP-connection. The combination with tension clamp technology improves user-friendliness.

A welcome feature of this type of connector is the ability to use extremely narrow ducting and narrow flat enclosures.

Distance to body of terminal:

- a = 6 mm
- b = 11.5 mm for 40 mm height
- = 20.2 mm for 60 mm height



**Connection of initiators**

No further terminal variations are required for power supply since this ensues simply by adding additional base elements that have built-in cross-connection.

An example:

If you wanted to connect 9 initiators, you would simply need 10 3-way or 4-way base elements, 10 brown ZVL 1.5 BR distributor elements and 10 blue ZVL 1.5 BL (-) distributor elements. The extra element is the feed. The number of distributor elements is therefore n + 1, where n is the number of initiator / actuators being connected.

**ZIK•ZAK -  
Modular distribution system**

**Terminal base  
3-way**

**Terminal base  
4-way**

**Distribution  
strip**

**Block versions**



| Dimensions   | Terminal base 3-way                 | Terminal base 4-way                 | Distribution strip                  | Block versions                      |
|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Width / length / height (mm) Terminal base with TS 35 x 7,5              | 5,08/68/45,8                        | 5,08/81/45,8                        | 5/12,9/17,5                         |                                     |
| Width / length / height (mm) Distribution                                |                                     |                                     | 8 mm/-/3,5 x 0,6                    | 8 mm/-/3,5 x 0,6                    |
| Insulation stripping length/clamping screw/screwdriver blade             | 8 mm/-/3,5 x 0,6                    | 8 mm/-/3,5 x 0,6                    | 8 mm/-/3,5 x 0,6                    | 8 mm/-/3,5 x 0,6                    |
| <b>VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989</b>                 |                                     |                                     |                                     |                                     |
| Rated voltage / current / cross-section                                  | 250 V/17,5 A/1,5 mm <sup>2</sup>    | 250 V/17,5 A/1,5 mm <sup>2</sup>    | 250 V/17,5 A/1,5 mm <sup>2</sup>    | 250 V/17,5 A/1,5 mm <sup>2</sup>    |
| Rated voltage / current / cross-section (mit LED)                        | 5...30 V/17,5 A/1,5 mm <sup>2</sup> | 5...30 V/17,5 A/1,5 mm <sup>2</sup> | 5...30 V/17,5 A/1,5 mm <sup>2</sup> | 5...30 V/17,5 A/1,5 mm <sup>2</sup> |
| Rated impulse voltage / pollution severity                               | 4 kV/3                              | 4 kV/3                              | 4 kV/3                              | 4 kV/3                              |
| <b>Further technical data</b>  |                                     |                                     |                                     |                                     |
| Tightening torque  | Nm                                  |                                     |                                     |                                     |
| Torque level with electric screwdriver type DMS2                         |                                     |                                     |                                     |                                     |
| <b>Clampable conductor</b>   |                                     |                                     |                                     |                                     |
| solid H07V-U   | mm <sup>2</sup> 0,13...2,5          | 0,13...2,5                          | 0,13...2,5                          | 0,13...2,5                          |
| stranded H07V-R  | mm <sup>2</sup>                     |                                     |                                     |                                     |
| flexible H07V-K  | mm <sup>2</sup> 0,5...2,5           | 0,5...2,5                           | 0,5...2,5                           | 0,5...2,5                           |
| flexible H07V-K und AEH DIN 46 228/1                                     | mm <sup>2</sup> 0,5...1,5           | 0,5...1,5                           | 0,5...1,5                           | 0,5...1,5                           |
| Max. Clamping Range in mm <sup>2</sup> /Gauge pin to IEC 947-1/1988 Size | A 1                                 | A 1                                 | A 1                                 | A 1                                 |

| UL / CSA rated data                    | Terminal base 3-way    | Terminal base 4-way    | Distribution strip     | Block versions         |
|--|------------------------|------------------------|------------------------|------------------------|
| Voltage / current / conductor size UL  | 300 V/10 A/26...14 AWG | 300 V/10 A/26...14 AWG | 300 V/10 A/26...14 AWG | 300 V/10 A/26...14 AWG |
| Voltage / current / conductor size CSA | 300 V/10 A/26...14 AWG | 300 V/10 A/26...14 AWG | 300 V/10 A/26...14 AWG | 300 V/10 A/26...14 AWG |

| Ordering data                                 | Terminal base 3-way                 | Terminal base 4-way                 | Distribution strip             | Block versions     |
|---|-------------------------------------|-------------------------------------|--------------------------------|--------------------|
| Terminal base 3-way                           | Type Cat. No. Qty.                  | Type Cat. No. Qty.                  | Type Cat. No. Qty.             | Type Cat. No. Qty. |
| Terminal base 3-way 10 poles                  | ZIA 1.5/3 L-1 S <b>165198</b> 100   |                                     |                                |                    |
| Terminal base 3-way with LED for PNP and NPN* | ZIA 1.5/3 L-1S/10 <b>169261</b> 10  |                                     |                                |                    |
| PE-Terminal base 3-way                        | ZIA 1.5/3 L 1 S/LD <b>165199</b> 50 |                                     |                                |                    |
|   | ZIA 1.5/3 L-PE <b>165200</b> 20     |                                     |                                |                    |
| Terminal base 4-way                           |                                     | ZIA 1.5/4 L-1 S <b>165201</b> 100   |                                |                    |
| Terminal base 4-way 10 poles                  |                                     | ZIA 1.5/4 L-1 S/10 <b>169262</b> 5  |                                |                    |
| Terminal base 4-way with LED for PNP and NPN* |                                     | ZIA 1.5/4 L 1 S/LD <b>165202</b> 50 |                                |                    |
| PE-Terminal base 4-way                        |                                     | ZIA 1.5/4 L-PE <b>165203</b> 20     |                                |                    |
| Wemid   |                                     |                                     | ZVL 1.5 <b>164930</b> 100**    |                    |
| brown Wemid                                   |                                     |                                     | ZVL 1.5 BR <b>165037</b> 100** |                    |
| blue Wemid                                    |                                     |                                     | ZVL 1.5 BL <b>165036</b> 100** |                    |
| green / yellow Wemid                          |                                     |                                     | ZVL 1.5 PE <b>165197</b> 100** |                    |

These terminal blocks are assembled with distributions blocks ZVL 1.5 and an end-plate. The power supply is done with an integrated terminal base for the Initiator version or with an integrated PE-terminal base for the Actuator version or Initiator version with PE-version.

|                    |                           |  |  |                                     |
|--------------------|---------------------------|--|--|-------------------------------------|
| <b>3-way type:</b> | for 8 Initiators          |  |  | ZIA 1.5/3L-1S/8/kB <b>169263</b> 5  |
|                    | for 8 Actuators           |  |  | ZIA 1.5/3L-PE/8/kB <b>169265</b> 5  |
|                    | for 16 Initiators         |  |  | ZIA 1.5/3L-1S/16/kB <b>169264</b> 2 |
|                    | for 16 Actuators          |  |  | ZIA 1.5/3L-PE/16/kB <b>169266</b> 2 |
| <b>4-way type:</b> | for 8 Initiators with PE  |  |  | ZIA 1.5/4L-PE/8/kB <b>169267</b> 5  |
|                    | for 16 Initiators with PE |  |  | ZIA 1.5/4L-PE/16/kB <b>169268</b> 2 |

| End plate                    | Terminal base 3-way | Terminal base 4-way                 | Distribution strip                  | Block versions |
|------------------------------|---------------------|-------------------------------------|-------------------------------------|----------------|
| Width / length / height (mm) |                     |                                     |                                     |                |
| 3.8/68/38                    | 3-way               | ZAP/TW ZIA 1.5/3 L <b>164954</b> 50 |                                     |                |
| 3.8/81/38                    | 4-way               |                                     | ZAP/TW ZIA 1.5/4 L <b>164955</b> 50 |                |



| Cross-connection | Terminal base 3-way | Terminal base 4-way         | Distribution strip          | Block versions              |
|------------------|---------------------|-----------------------------|-----------------------------|-----------------------------|
| for signal level | 2 poles             | Type Cat. No. Qty.          | Type Cat. No. Qty.          | Type Cat. No. Qty.          |
| ZQV              | 3 poles             | ZQV 2.5/2 <b>160886</b> 60  | ZQV 2.5/2 <b>160886</b> 60  | ZQV 2.5/2 <b>160886</b> 60  |
|                  | 4 poles             | ZQV 2.5/3 <b>160887</b> 60  | ZQV 2.5/3 <b>160887</b> 60  | ZQV 2.5/3 <b>160887</b> 60  |
|                  | 5 poles             | ZQV 2.5/4 <b>160888</b> 60  | ZQV 2.5/4 <b>160888</b> 60  | ZQV 2.5/4 <b>160888</b> 60  |
|                  | 6 poles             | ZQV 2.5/5 <b>160889</b> 20  | ZQV 2.5/5 <b>160889</b> 20  | ZQV 2.5/5 <b>160889</b> 20  |
|                  | 7 poles             | ZQV 2.5/6 <b>160890</b> 20  | ZQV 2.5/6 <b>160890</b> 20  | ZQV 2.5/6 <b>160890</b> 20  |
|                  | 8 poles             | ZQV 2.5/7 <b>160891</b> 20  | ZQV 2.5/7 <b>160891</b> 20  | ZQV 2.5/7 <b>160891</b> 20  |
|                  | 9 poles             | ZQV 2.5/8 <b>160892</b> 20  | ZQV 2.5/8 <b>160892</b> 20  | ZQV 2.5/8 <b>160892</b> 20  |
|                  | 10 poles            | ZQV 2.5/9 <b>160893</b> 20  | ZQV 2.5/9 <b>160893</b> 20  | ZQV 2.5/9 <b>160893</b> 20  |
|                  | 50 poles            | ZQV 2.5/10 <b>160894</b> 20 | ZQV 2.5/10 <b>160894</b> 20 | ZQV 2.5/10 <b>160894</b> 20 |
|                  |                     | ZQV 2.5/50 <b>169754</b> 20 | ZQV 2.5/50 <b>169754</b> 20 | ZQV 2.5/50 <b>169754</b> 20 |

| Screwdriver      | Terminal base 3-way          | Terminal base 4-way          | Distribution strip           | Block versions               |
|------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| SD to DIN 5264 A | SD 0,6 x 3,5 <b>902423</b> 1 | SD 0,6 x 3,5 <b>902423</b> 1 | SD 0,6 x 3,5 <b>902423</b> 1 | SD 0,6 x 3,5 <b>902423</b> 1 |



| Marking tags           | Terminal base 3-way     | Terminal base 4-way     | Distribution strip      | Block versions          |
|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Consecutive horizontal | DEK 5 <b>047346</b> 500 | DEK 5 <b>047346</b> 500 | DEK 5 <b>047346</b> 500 | DEK 5 <b>047346</b> 500 |
| Consecutive vertical   | DEK 5 <b>047356</b> 500 | DEK 5 <b>047356</b> 500 | DEK 5 <b>047356</b> 500 | DEK 5 <b>047356</b> 500 |

See page 2/60 as well as section 3 for additional accessories

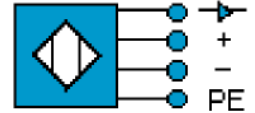
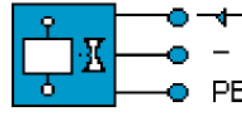
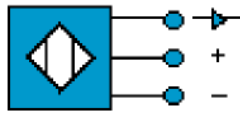
\*) Note the polarity  
\*\*) Pre-assembled as 20 pole-units

**ZIK•ZAK - Configuration examples**

**3-way Initiator**

**3-way Actuator**

**3-way Initiator with PE**



**Type**    **Cat. No.**    **Qty.**  
Terminal base 3-way  
ZIA 1.5/3 L-1 S **165198**    100



Terminal base 3-way with LED  
ZIA 1.5/3 L-    **165199**    50  
1 S/LD  
**for PNP and NPN**



Terminal base 4-way  
ZIA 1.5/4 L-1 S **165201**    100



Terminal base 4-way with LED  
ZIA 1.5/4 L-    **165202**    50  
1 S/LD  
**for PNP and NPN**



Terminal base 3-way  
ZIA 1.5/3 L-PE **165200**    20



PE-Terminal base 4-way  
ZIA 1.5/4 L-PE **165203**    20



End plate 3-way  
ZAP/TW    **164954**    50  
ZIA 1.5/3 L



End plate 4-way  
ZAP/TW    **164955**    50  
ZIA 1.5/4 L



Distribution strip  
ZVL 1.5 BR    **165037**    100



Distribution strip  
ZVL 1.5 BL    **165036**    100



Distribution strip  
ZVL 1.5 PE    **165197**    100



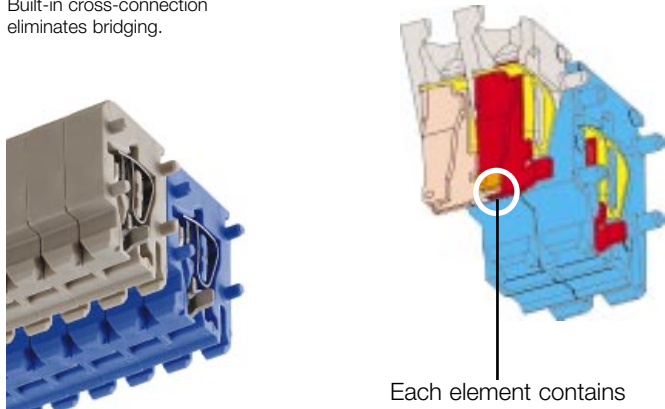
ZIK•ZAK configuration



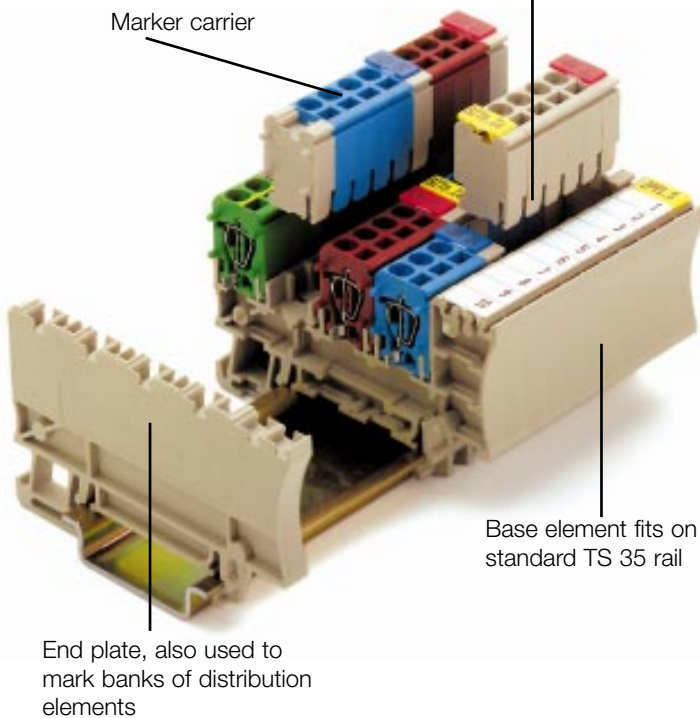
## ZPV 1.5 – potential distribution

- ZPV 1.5 is modular.  
You determine the number of poles you need on-site.
- Cross-connections are built in.
- Rearrange the block whenever you need - in seconds.
- Ultra-compact TOP connection thanks to tension-clamp. This permits easy wiring, even in tight spaces.
- And, there's room in even the smallest enclosure thanks to the overall compactness of the ZPV.

Built-in cross-connection eliminates bridging.

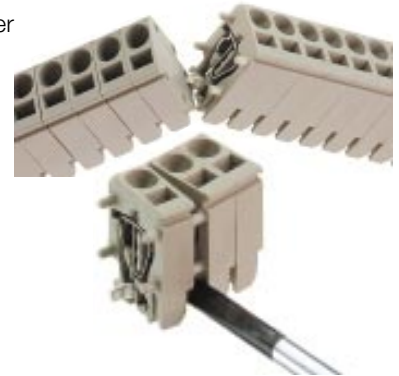


Each element contains built-in cross connection, on one side the male connector, on the other the female.



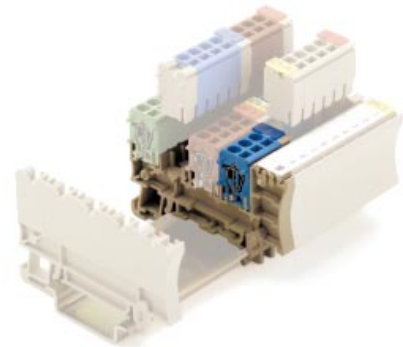
### Easy to put together - and split apart

Simply snap off the number of poles you need - by hand or using a screw driver. Assembly errors can be rectified in seconds.



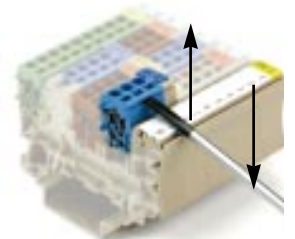
### Familiar installation

The ZPV 1.5 base elements (also supplied in strips of 20) snap easily onto a regular TS 35 rail. Each base element can take 4 parallel distributor elements. Like the entire ZIK-ZAK series, the elements simply snap onto the ZPV 1.5. The individual rows of distributor elements are electrically separate from each other. To separate within a row of distributor elements we recommend our BZT 1.5 marker plates.



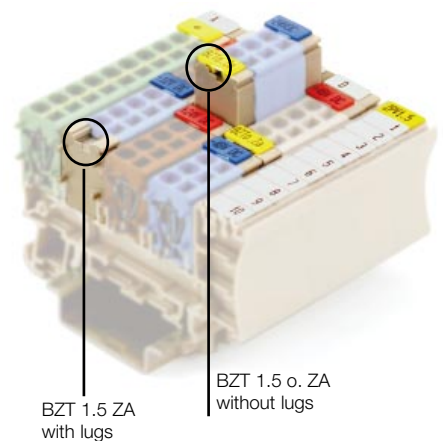
### Flexible assembly

Disassembling and reassembling the blocks is simply a matter of prising off the units. It's a snap with ZPV 1.5.



### Pure identification

And once you've decided on the layout of your block you'll discover that marking is just as easy. Matrix-like marking provides easy recognition. The BZT 1.5 ZA is a marker with lugs to link to the next distributor element. The BZT 1.5 o. ZA, on the other hand, has no lugs for individual mounting / dismantling of sections of the distribution row. Both markers are effective electrical separators.



## ZPV 1.5 Variable-pole potential distributors with built-in cross-connection

## ZPV 1.5



## ZVL 1.5



| Dimensions   |                  |                                  |               |                                  |                              |
|--|------------------|----------------------------------|---------------|----------------------------------|------------------------------|
| Width / length / height (mm)                                   | with TS 35 x 7,5 | 5,08/68 /38                      |               | 5,08/12.9/17.5                   |                              |
| Insulation stripping length/clamping screw/screwdriver blade   |                  | - / - / -                        |               | 8/-/-                            |                              |
| Rated data   |                  |                                  |               |                                  |                              |
| Rated data VDE 0611 Part 1/8.92 / IEC 947-7-1                  |                  |                                  |               |                                  |                              |
| Rated voltage / current / cross-section                        |                  | 250 V/17,5 A/1,5 mm <sup>2</sup> |               | 250 V/17,5 A/1,5 mm <sup>2</sup> |                              |
| Rated impulse voltage / pollution severity                     |                  | 4 kV/3                           |               | 4 kV/3                           |                              |
| Further technical data   |                  |                                  |               |                                  |                              |
| Clampable conductor  | mm <sup>2</sup>  |                                  |               | 0,13 ... 2,5                     |                              |
| solid H07V-U   | mm <sup>2</sup>  |                                  |               | 0,5 ... 2,5                      |                              |
| flexible H07V-K  | mm <sup>2</sup>  |                                  |               | 0,5 ... 2,5                      |                              |
| flexible H07V-K  |                  |                                  |               |                                  |                              |
| and ferrules acc. DIN 46 228/1                                 | mm <sup>2</sup>  |                                  |               | 0,5 ... 1,5                      |                              |
| flexible H07V-K  |                  |                                  |               |                                  |                              |
| and ferrules with plastic insul. collar                        | mm <sup>2</sup>  |                                  |               | 0,5 ... 1,5                      |                              |
| Clampability of two conductors                                 |                  |                                  |               |                                  |                              |
| 2 x flexible H05V-K 0,75                                       | mm <sup>2</sup>  |                                  |               | 0,75                             |                              |
| with twin ferrules (Cat. No. 901851)                           |                  |                                  |               |                                  |                              |
| and PZ4 Crimper (Cat. No. 901250)                              |                  |                                  |               |                                  |                              |
| oder PZ 6/5 Crimper (Cat. No. 901146)                          |                  |                                  |               |                                  |                              |
| Insulation stripping length = 11 ± 0,5 mm                      |                  |                                  |               |                                  |                              |
| Gauge pin to 947-1/1988  |                  |                                  |               | A 1                              |                              |
| size   |                  | 24 A / 2,5 mm <sup>2</sup>       |               | 24 A / 2,5 mm <sup>2</sup>       |                              |
| Continuous current rating of terminal block for conductor size |                  |                                  |               |                                  |                              |
| UL / CSA rated data  |                  |                                  |               |                                  |                              |
| Voltage / current / conductor size                             | UL               | 300 V/10 A/ 26...14 AWG          |               | 300 V/10 A/ 26...14 AWG          |                              |
| Voltage / current / conductor size                             | CSA              | 300 V/10 A/ 26...14 AWG          |               | 300 V/10 A/ 26...14 AWG          |                              |
| Ordering data  |                  |                                  |               |                                  |                              |
| Type   |                  |                                  |               |                                  |                              |
| Wemid  |                  | Cat. No.                         | Qty.          | Cat. No.                         | Qty.                         |
| Blue Wemid   |                  | <b>167663</b>                    | 100           | <b>164930</b>                    | 100*                         |
| Brown Wemid  |                  |                                  |               | <b>165036</b>                    | 100*                         |
| Green Wemid  |                  |                                  |               | <b>165037</b>                    | 100*                         |
|  |                  |                                  |               | <b>169782</b>                    | 100*                         |
| End plate / partition  |                  |                                  |               |                                  |                              |
| Type   |                  | Type                             | Cat. No.      | Qty.                             |                              |
| Wemid  |                  | ZAP/TW ZPV1,5                    | <b>167465</b> | 50                               | ZAP/TW ZPV 1,5               |
| Width / length / height (mm)                                   |                  | 5,08/68/38                       |               |                                  | 5,08 / 68 / 38               |
| Marker carriers  |                  |                                  |               |                                  |                              |
|  |                  |                                  |               |                                  |                              |
| BZT ZVL1,5 ZA  |                  |                                  |               |                                  | BZT ZVL 1,5 o.ZA             |
| BZT ZVL1,5 o.ZA  |                  |                                  |               |                                  | <b>167662</b>                |
|  |                  |                                  |               |                                  | 100                          |
|  |                  |                                  |               |                                  | BZT ZVL 1,5 ZA               |
|  |                  |                                  |               |                                  | <b>167661</b>                |
|  |                  |                                  |               |                                  | 100                          |
| Screwdriver  |                  |                                  |               |                                  |                              |
|  |                  |                                  |               |                                  |                              |
|  |                  |                                  |               |                                  | SD 0,6x3,5x100 <b>902423</b> |
|  |                  |                                  |               |                                  | 1                            |
| Marking tags   |                  |                                  |               |                                  |                              |
| for base element ZPV   |                  | ZGB15                            |               |                                  |                              |
| marker carriers BZT ZVL 1,5                                    |                  | ZGB30                            |               |                                  |                              |
| and for end plate ZAP/TW ZPV 1,5                               |                  | ZS10/5                           |               |                                  |                              |
|  |                  | DEK 5                            |               |                                  |                              |
|  |                  | WS 8/5                           |               |                                  |                              |
|  |                  | WS 10/5                          |               |                                  |                              |
|  |                  | WS 12/5                          |               |                                  |                              |

\*) pre-assembled in 20-pole strips

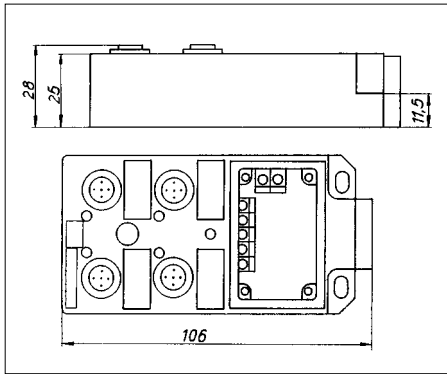
## SAI distributor family



### SAI-K

Screw connection for bus line

Dimensions and catalogue numbers

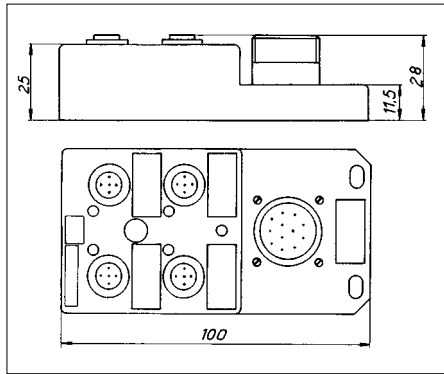


Type **SAI-4-K** Cat. No. **945603**

### SAI-S

12-pole plug connector for bus line

Dimensions and catalogue numbers



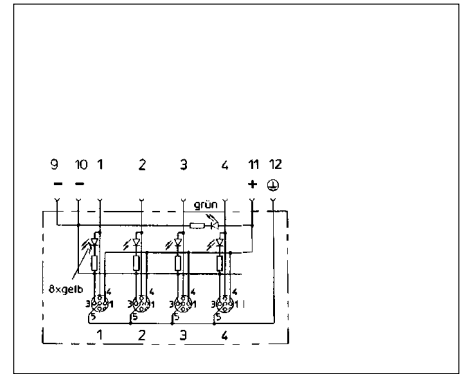
Type **SAI-4-S** Cat. No. **945600**

## SAI module family

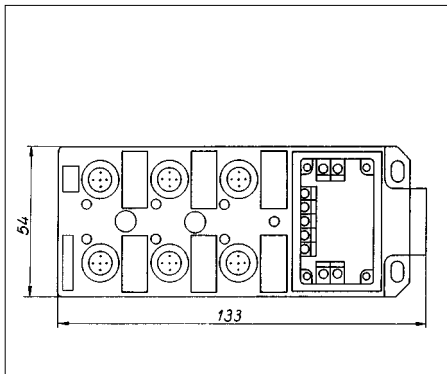
The SAI module joins sensor/actuator cables in the simplest and most rational method. The almost standardised circular connectors allow components to be installed by simply plugging them together. If an initiator fails, a replacement can therefore be easily installed due to easy access. This can be performed on-the-spot by production personnel.

The clearly visible, standard status displays are another advantage. The SAI module is also available with screw connections. Downtimes are thus reduced to a minimum and costs are kept low.

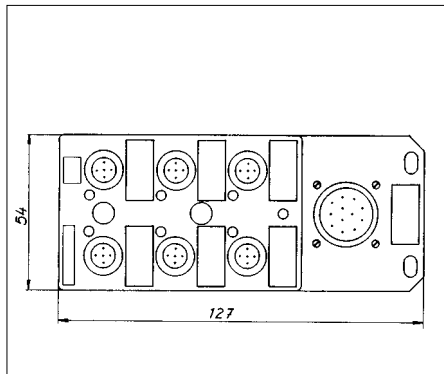
Pin layout



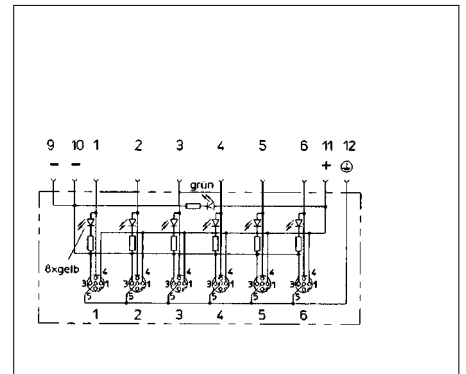
SAI-4...



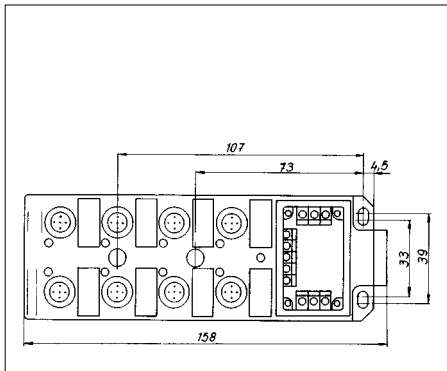
Type **SAI-6-K** Cat. No. **945604**



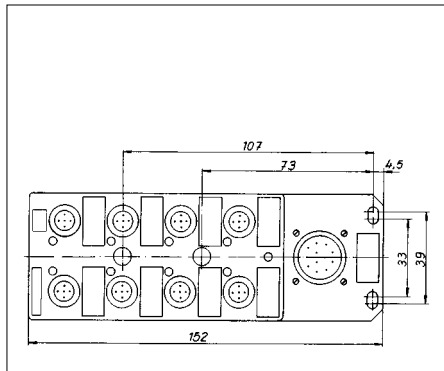
Type **SAI-6-S** Cat. No. **945601**



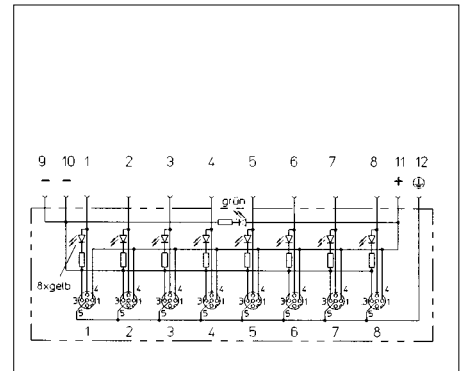
SAI-6...



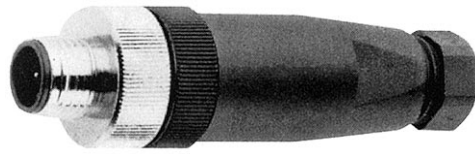
Type **SAI-8-K** Cat. No. **945606**



Type **SAI-8-S** Cat. No. **945602**



SAI-8...



| Technical data                |  |
|-------------------------------|--|
| Protection class              | IP67 DIN 40050<br>(plugged and screwed)                |
| Material                      | PBT not strengthened                                   |
| Housing                       | V0 according to UL 94                                  |
| Temperature range             | - 20 to + 55 °C  |
| Contact pins/sockets          | CuZn, gal. NiAu  |
| Plug cycles                   | 50 times   |
| Withdraw strength per contact | ≥ 0.4 N  |
| Nominal voltage               | 10 - 30 V DC   |
| Nominal current               | 2 A / 8 A total  |
| LEDs                          | Green = operation display<br>Yellow = function display |
|                               |  |
|                               |  |
|                               |  |
|                               |  |

| Designation                                    | Cat. No.      | Qty. |
|--|---------------|------|
| SAIS-5/7 (straight)                            | <b>945694</b> | 5    |
| Connector (M 12) with screw connection, 5-pole |               |      |

**Accessories :**

| Designation                | Cat. No.      | Qty. |
|----------------------------|---------------|------|
| Protection cap : SAI - SK  | <b>945605</b> | 30   |
| Marker : ESG 9/20 MC blank | <b>160994</b> | 200  |
|                            |               |      |
|                            |               |      |
|                            |               |      |

| Designation                                    | Cat. No.      | Qty. |
|--|---------------|------|
| SAISW-5/7 (angled)                             | <b>945695</b> | 5    |
| Connector (M 12) with screw connection, 5-pole |               |      |

**Standard connection cables for sensors**

Connector shape: M 12 to M 12 /  
Straight connector

Cable type : PUR in lengths of 0.6 m,  
0.9 m, 1.2 m, 1.5 m, 2.0 m

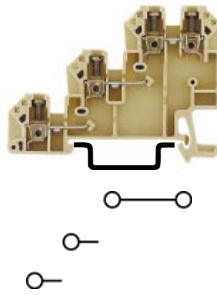
The cables are suitable for normally-open relays or for normally-closed relays by jumpering PIN 2 and 4.

| Designation             | Cat.No.       | Qty. |
|-------------------------|---------------|------|
| SAIL-M12G-M12G-2/4-0.6U | <b>945696</b> | 10   |
| SAIL-M12G-M12G-2/4-0.9U | <b>945697</b> | 10   |
| SAIL-M12G-M12G-2/4-1.2U | <b>945698</b> | 10   |
| SAIL-M12G-M12G-2/4-1.5U | <b>945699</b> | 10   |
| SAIL-M12G-M12G-2/4-2.0U | <b>945700</b> | 10   |
|                         |               |      |
|                         |               |      |

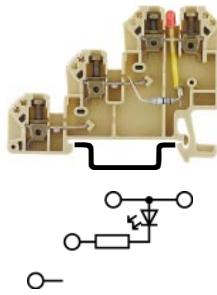
\* Detailed data sheet for the new type SAI-M available on request.

## Feed-through terminals for initiators and actuators

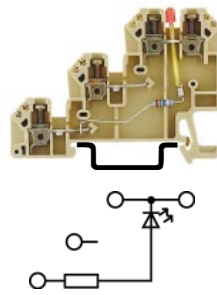
### DLI 2.5



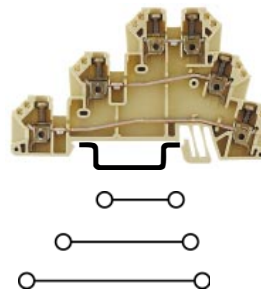
### DLI 2.5 LD PNP



### DLI 2.5 LD NPN



### DLD 2.5



#### Dimensions

Width / length / height (mm) with TS 35 x 7,5   
Insulation stripping length/clamping screw/screwdriver blade

#### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section  
Rated impulse voltage / pollution severity

#### Further technical data

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

#### Clampable conductor

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size

Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2...5-pole A  
Continuous current rating of cross-connection 6...10-pole A

#### UL / CSA rated data

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

#### Ordering data

Standard  
With diode 1N4007  
With LED rot (5...30 V)  
With LED grün (5...30 V)  
With LED and Diode 1N4007  
With LED and Diode 1N4007  
Block of 10<sup>1)</sup>  
Block of 10<sup>1)</sup>  
Fuse inserts


6/65/49  
7 mm/M 2,5/3,5 x 0,6

250 V/20 A/2,5 mm<sup>2</sup>  
4 kV/3

0,4...0,7  
1

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...10) 20

300 V/10 A/26...12 AWG  
300 V/10 A/26...12 AWG

| Type  | Cat. No.      | Qty. |
|---|---------------|------|
|  | <b>131336</b> | 100  |
| (w/o dekafix)   | <b>141136</b> | 10   |
| (with dekafix)  | <b>157907</b> | 10   |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| AP     | <b>131326</b> | 20   |
| TSch 1 | <b>031916</b> | 100  |


6/65/49  
7 mm/M 2,5/3,5 x 0,6

5-30 V-/20 A/2,5 mm<sup>2</sup>  
0,8 kV/3

0,4...0,7  
1

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...10) 20

300 V/10 A/26...12 AWG

| Type  | Cat. No.      | Qty. |
|---|---------------|------|
|  | <b>157851</b> | 100  |
|   | <b>157852</b> | 100  |
| (LED red)   | <b>157853</b> | 10   |
| (LED green)   | <b>157854</b> | 10   |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| AP     | <b>131326</b> | 20   |
| TSch 1 | <b>031916</b> | 100  |


6/65/49  
7 mm/M 2,5/3,5 x 0,6

5-30 V-/20 A/2,5 mm<sup>2</sup>  
0,8 kV/3

0,4...0,7  
1

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...10) 20

300 V/10 A/26...12 AWG

| Type  | Best.-Nr.     | Qty. |
|---|---------------|------|
|  | <b>157855</b> | 100  |
|   | <b>157856</b> | 100  |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| AP     | <b>131326</b> | 20   |
| TSch 1 | <b>031916</b> | 100  |


6/82/49  
7 mm/M 2,5/3,5 x 0,6

250 V/24 A/2,5 mm<sup>2</sup>  
4 kV/3

0,4...0,7  
1

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
(Q 2...10) 20

300 V/10 A/26...12 AWG  
300 V/10 A/26...12 AWG

| Type  | Cat. No.      | Qty. |
|---|---------------|------|
|  | <b>131706</b> | 50   |
| (w/o dekafix)   | <b>141136</b> | 10   |
| (with dekafix)  | <b>157907</b> | 10   |

| Type         | Cat. No.      | Qty. |
|--------------|---------------|------|
| AP           | <b>131766</b> | 20   |
| AP (part-AP) | <b>138186</b> | 20   |
| TSch 1       | <b>031916</b> | 100  |

#### End plate/partition



AP-DLI AP-DLD Teil-AP TSch 1  
(thickness 1.5 mm)

#### Test plug/socket



PS 2.3 StB 8.5

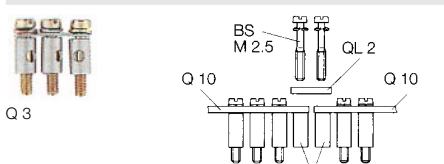
|                  |               |    |
|------------------|---------------|----|
| StB 8.5* (ø 2,3) | <b>021570</b> | 50 |
| PS 2.3           | <b>018040</b> | 20 |

|                  |               |    |
|------------------|---------------|----|
| StB 8.5* (ø 2,3) | <b>021570</b> | 50 |
| PS 2.3           | <b>018040</b> | 20 |

|                  |               |    |
|------------------|---------------|----|
| StB 8.5* (ø 2,3) | <b>021570</b> | 50 |
| PS 2.3           | <b>018040</b> | 20 |

|                  |               |    |
|------------------|---------------|----|
| StB 8.5* (ø 2,3) | <b>021570</b> | 50 |
| PS 2.3           | <b>018040</b> | 20 |

#### Cross-connection



For cross-connections for more than 20 terminal blocks, replace VH with VH 3.8 (134580) without internal thread

|      |               |    |
|------|---------------|----|
| Q 2  | <b>131250</b> | 50 |
| Q 3  | <b>131260</b> | 50 |
| Q 4  | <b>131270</b> | 50 |
| Q 10 | <b>131310</b> | 20 |
| Q 20 | <b>139980</b> | 20 |

|        |               |     |
|--------|---------------|-----|
| QL 2   | <b>029720</b> | 100 |
| VH 3.8 | <b>134580</b> | 100 |

|      |               |    |
|------|---------------|----|
| Q 2  | <b>131250</b> | 50 |
| Q 3  | <b>131260</b> | 50 |
| Q 4  | <b>131270</b> | 50 |
| Q 10 | <b>131310</b> | 20 |
| Q 20 | <b>139980</b> | 20 |

|        |               |     |
|--------|---------------|-----|
| QL 2   | <b>029720</b> | 100 |
| VH 3.8 | <b>134580</b> | 100 |

|      |               |    |
|------|---------------|----|
| Q 2  | <b>131250</b> | 50 |
| Q 3  | <b>131260</b> | 50 |
| Q 4  | <b>131270</b> | 50 |
| Q 10 | <b>131310</b> | 20 |
| Q 20 | <b>139980</b> | 20 |

|        |               |     |
|--------|---------------|-----|
| QL 2   | <b>029720</b> | 100 |
| VH 3.8 | <b>134580</b> | 100 |

|      |               |    |
|------|---------------|----|
| Q 2  | <b>131250</b> | 50 |
| Q 3  | <b>131260</b> | 50 |
| Q 4  | <b>131270</b> | 50 |
| Q 10 | <b>131310</b> | 20 |
| Q 20 | <b>139980</b> | 20 |

|        |               |     |
|--------|---------------|-----|
| QL 2   | <b>029720</b> | 100 |
| VH 3.8 | <b>134580</b> | 100 |

#### Group marking



WT 4

|       |               |      |
|-------|---------------|------|
| WT 4  | <b>134106</b> | 100  |
| SF 10 | <b>033240</b> | 1000 |
| SG 10 | <b>033250</b> | 1000 |

|       |               |      |
|-------|---------------|------|
| WT 4  | <b>134106</b> | 100  |
| SF 10 | <b>033240</b> | 1000 |
| SG 10 | <b>033250</b> | 1000 |

|       |               |      |
|-------|---------------|------|
| WT 4  | <b>134106</b> | 100  |
| SF 10 | <b>033240</b> | 1000 |
| SG 10 | <b>033250</b> | 1000 |

|       |               |      |
|-------|---------------|------|
| WT 4  | <b>134106</b> | 100  |
| SF 10 | <b>033240</b> | 1000 |
| SG 10 | <b>033250</b> | 1000 |

#### Cover



HP 4

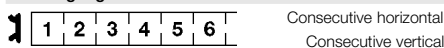
|      |               |    |
|------|---------------|----|
| ADP  | <b>048540</b> | -  |
| HP 4 | <b>048586</b> | 20 |

|      |               |    |
|------|---------------|----|
| ADP  | <b>048540</b> | -  |
| HP 4 | <b>048586</b> | 20 |

|      |               |    |
|------|---------------|----|
| ADP  | <b>048540</b> | -  |
| HP 4 | <b>048586</b> | 20 |

|      |               |    |
|------|---------------|----|
| ADP  | <b>048540</b> | -  |
| HP 4 | <b>048586</b> | 20 |

#### Marking tags



Consecutive horizontal  
Consecutive vertical

|      |               |   |
|------|---------------|---|
| FW 6 | <b>046866</b> | - |
| FS 6 | <b>046876</b> | - |

|      |               |   |
|------|---------------|---|
| FW 6 | <b>046866</b> | - |
| FS 6 | <b>046876</b> | - |

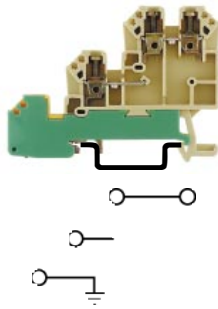
|      |               |   |
|------|---------------|---|
| FW 6 | <b>046866</b> | - |
| FS 6 | <b>046876</b> | - |

|      |               |   |
|------|---------------|---|
| FW 6 | <b>046866</b> | - |
| FS 6 | <b>046876</b> | - |

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> DLI 2.5/35/10 = Block of 10 with built-in cross-connections \* Only in upper busbar

**DLA 2.5**



6/65/49  
7 mm/M 2,5/3,5 x 0,6

250 V\*\*/17,5 A/2,5 mm<sup>2</sup>  
4 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
300 V/10 A/26...12 AWG  
Cat. No. Qty.  
**156597** 100  
(w/o dekafix) **157838** 10  
(with dekafix) **157839** 10

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| AP     | <b>131326</b> | 20   |
| TSch 1 | <b>031916</b> | 100  |

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

| Q    | Cat. No.      | Qty. |
|------|---------------|------|
| Q 2  | <b>131250</b> | 50   |
| Q 3  | <b>131260</b> | 50   |
| Q 4  | <b>131270</b> | 50   |
| Q 10 | <b>131310</b> | 20   |
| Q 20 | <b>139980</b> | 20   |

| QL   | Cat. No.      | Qty. |
|------|---------------|------|
| QL 2 | <b>029720</b> | 100  |

| VH     | Cat. No.      | Qty. |
|--------|---------------|------|
| VH 3.8 | <b>134580</b> | 100  |

| WT   | Cat. No.      | Qty. |
|------|---------------|------|
| WT 4 | <b>134106</b> | 100  |

| SF    | Cat. No.      | Qty. |
|-------|---------------|------|
| SF 10 | <b>033240</b> | 1000 |

| SG    | Cat. No.      | Qty. |
|-------|---------------|------|
| SG 10 | <b>033250</b> | 1000 |

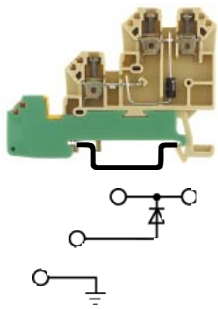
| ADP | Cat. No.      | Qty. |
|-----|---------------|------|
| ADP | <b>048540</b> | -    |

| HP   | Cat. No.      | Qty. |
|------|---------------|------|
| HP 4 | <b>048586</b> | 20   |

| FW   | Cat. No.      | Qty. |
|------|---------------|------|
| FW 6 | <b>046866</b> | -    |

| FS   | Cat. No.      | Qty. |
|------|---------------|------|
| FS 6 | <b>046876</b> | -    |

**DLA 2.5/D**



6/65/49  
7 mm/M 2,5/3,5 x 0,6

250 V\*\*/17,5 A/2,5 mm<sup>2</sup>  
4 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
300 V/10 A/26...12 AWG  
Cat. No. Qty.  
**157840** 100  
(w/o dekafix) **157838** 10  
(with dekafix) **157839** 10

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| AP     | <b>131326</b> | 20   |
| TSch 1 | <b>031916</b> | 100  |

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

| Q    | Cat. No.      | Qty. |
|------|---------------|------|
| Q 2  | <b>131250</b> | 50   |
| Q 3  | <b>131260</b> | 50   |
| Q 4  | <b>131270</b> | 50   |
| Q 10 | <b>131310</b> | 20   |
| Q 20 | <b>139980</b> | 20   |

| QL   | Cat. No.      | Qty. |
|------|---------------|------|
| QL 2 | <b>029720</b> | 100  |

| VH     | Cat. No.      | Qty. |
|--------|---------------|------|
| VH 3.8 | <b>134580</b> | 100  |

| WT   | Cat. No.      | Qty. |
|------|---------------|------|
| WT 4 | <b>134106</b> | 100  |

| SF    | Cat. No.      | Qty. |
|-------|---------------|------|
| SF 10 | <b>033240</b> | 1000 |

| SG    | Cat. No.      | Qty. |
|-------|---------------|------|
| SG 10 | <b>033250</b> | 1000 |

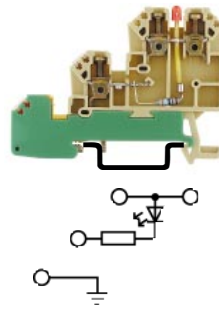
| ADP | Cat. No.      | Qty. |
|-----|---------------|------|
| ADP | <b>048540</b> | -    |

| HP   | Cat. No.      | Qty. |
|------|---------------|------|
| HP 4 | <b>048586</b> | 20   |

| FW   | Cat. No.      | Qty. |
|------|---------------|------|
| FW 6 | <b>046866</b> | -    |

| FS   | Cat. No.      | Qty. |
|------|---------------|------|
| FS 6 | <b>046876</b> | -    |

**DLA 2.5/LD**



6/65/49  
7 mm/M 2,5/3,5 x 0,6

5-30 V/17,5 A/2,5 mm<sup>2</sup>  
0,8 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
5-30 V/10 A/26...12 AWG  
Cat. No. Qty.  
**157843** 100  
**157844** 100  
(LED red) **157847** 100  
(LED green) **157848** 100  
(LED red) **157849** 10  
(LED green) **157850** 10

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| AP     | <b>131326</b> | 20   |
| TSch 1 | <b>031916</b> | 100  |

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

| Q    | Cat. No.      | Qty. |
|------|---------------|------|
| Q 2  | <b>131250</b> | 50   |
| Q 3  | <b>131260</b> | 50   |
| Q 4  | <b>131270</b> | 50   |
| Q 10 | <b>131310</b> | 20   |
| Q 20 | <b>139980</b> | 20   |

| QL   | Cat. No.      | Qty. |
|------|---------------|------|
| QL 2 | <b>029720</b> | 100  |

| VH     | Cat. No.      | Qty. |
|--------|---------------|------|
| VH 3.8 | <b>134580</b> | 100  |

| WT   | Cat. No.      | Qty. |
|------|---------------|------|
| WT 4 | <b>134106</b> | 100  |

| SF    | Cat. No.      | Qty. |
|-------|---------------|------|
| SF 10 | <b>033240</b> | 1000 |

| SG    | Cat. No.      | Qty. |
|-------|---------------|------|
| SG 10 | <b>033250</b> | 1000 |

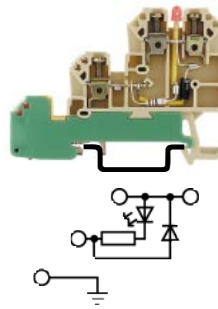
| ADP | Cat. No.      | Qty. |
|-----|---------------|------|
| ADP | <b>048540</b> | -    |

| HP   | Cat. No.      | Qty. |
|------|---------------|------|
| HP 4 | <b>048586</b> | 20   |

| FW   | Cat. No.      | Qty. |
|------|---------------|------|
| FW 6 | <b>046866</b> | -    |

| FS   | Cat. No.      | Qty. |
|------|---------------|------|
| FS 6 | <b>046876</b> | -    |

**DLA 2.5/LD/D**



6/65/49  
7 mm/M 2,5/3,5 x 0,6

5-30 V/17,5 A/2,5 mm<sup>2</sup>  
0,8 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
5-30 V/10 A/26...12 AWG  
Cat. No. Qty.  
**157847** 100  
**157848** 100  
**157849** 10  
**157850** 10  
(LED red) **157847** 100  
(LED green) **157848** 100  
(LED red) **157849** 10  
(LED green) **157850** 10

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| AP     | <b>131326</b> | 20   |
| TSch 1 | <b>031916</b> | 100  |

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

| Q    | Cat. No.      | Qty. |
|------|---------------|------|
| Q 2  | <b>131250</b> | 50   |
| Q 3  | <b>131260</b> | 50   |
| Q 4  | <b>131270</b> | 50   |
| Q 10 | <b>131310</b> | 20   |
| Q 20 | <b>139980</b> | 20   |

| QL   | Cat. No.      | Qty. |
|------|---------------|------|
| QL 2 | <b>029720</b> | 100  |

| VH     | Cat. No.      | Qty. |
|--------|---------------|------|
| VH 3.8 | <b>134580</b> | 100  |

| WT   | Cat. No.      | Qty. |
|------|---------------|------|
| WT 4 | <b>134106</b> | 100  |

| SF    | Cat. No.      | Qty. |
|-------|---------------|------|
| SF 10 | <b>033240</b> | 1000 |

| SG    | Cat. No.      | Qty. |
|-------|---------------|------|
| SG 10 | <b>033250</b> | 1000 |

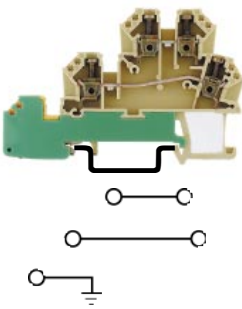
| ADP | Cat. No.      | Qty. |
|-----|---------------|------|
| ADP | <b>048540</b> | -    |

| HP   | Cat. No.      | Qty. |
|------|---------------|------|
| HP 4 | <b>048586</b> | 20   |

| FW   | Cat. No.      | Qty. |
|------|---------------|------|
| FW 6 | <b>046866</b> | -    |

| FS   | Cat. No.      | Qty. |
|------|---------------|------|
| FS 6 | <b>046876</b> | -    |

**DLD 2.5/PE**



6/74,5/49  
7 mm/M 2,5/3,5 x 0,6

250 V\*\*/17,5 A/2,5 mm<sup>2</sup>  
4 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
Cat. No. Qty.  
**159595** 100  
(w/o dekafix) **157838** 10  
(with dekafix) **157839** 10

| Type         | Cat. No.      | Qty. |
|--------------|---------------|------|
| AP           | <b>159596</b> | 20   |
| AP (part-AP) | <b>159597</b> | -    |
| TSch 1       | <b>031916</b> | 100  |

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

| Q    | Cat. No.      | Qty. |
|------|---------------|------|
| Q 2  | <b>131250</b> | 50   |
| Q 3  | <b>131260</b> | 50   |
| Q 4  | <b>131270</b> | 50   |
| Q 10 | <b>131310</b> | 20   |
| Q 20 | <b>139980</b> | 20   |

| QL   | Cat. No.      | Qty. |
|------|---------------|------|
| QL 2 | <b>029720</b> | 100  |

| VH     | Cat. No.      | Qty. |
|--------|---------------|------|
| VH 3.8 | <b>134580</b> | 100  |

| WT   | Cat. No.      | Qty. |
|------|---------------|------|
| WT 4 | <b>134106</b> | 100  |

| SF    | Cat. No.      | Qty. |
|-------|---------------|------|
| SF 10 | <b>033240</b> | 1000 |

| SG    | Cat. No.      | Qty. |
|-------|---------------|------|
| SG 10 | <b>033250</b> | 1000 |

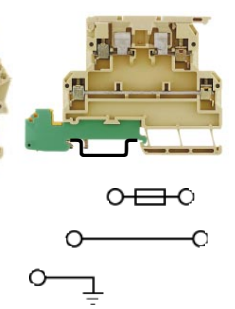
| ADP | Cat. No.      | Qty. |
|-----|---------------|------|
| ADP | <b>048540</b> | -    |

| HP   | Cat. No.      | Qty. |
|------|---------------|------|
| HP 4 | <b>048586</b> | 20   |

| FW   | Cat. No.      | Qty. |
|------|---------------|------|
| FW 6 | <b>046866</b> | -    |

| FS   | Cat. No.      | Qty. |
|------|---------------|------|
| FS 6 | <b>046876</b> | -    |

**KDKS 1/PE**



8/91/65  
9 mm/M 3/M 2.5\*\*\*/3,5 x 0,6

500 V/6,3 A/4 mm<sup>2</sup>  
6 kV/3  
0,5...1/0,4...0,7\*\*\*  
2/1\*\*\*  
0,5...4  
0,5...4/2.5\*\*\*  
0,5...4/2.5\*\*\*  
A 4 / A 3\*\*\*

300 V/10 A/26...12 AWG  
Cat. No. Qty.  
**952811** 50  
cannot be combined with  
DLI / DLA

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| AP   | <b>950333</b> | 50   |

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

| Q   | Cat. No.      | Qty. |
|-----|---------------|------|
| Q 2 | <b>046110</b> | 50   |
| Q 3 | <b>046120</b> | 50   |
| Q 4 | <b>046130</b> | 50   |

| QL   | Cat. No.      | Qty. |
|------|---------------|------|
| QL 2 | <b>029720</b> | 100  |

| VH     | Cat. No.      | Qty. |
|--------|---------------|------|
| VH 3.8 | <b>134580</b> | 100  |

| WT   | Cat. No.      | Qty. |
|------|---------------|------|
| WT 4 | <b>134106</b> | 100  |

| SF    | Cat. No.      | Qty. |
|-------|---------------|------|
| SF 10 | <b>033240</b> | 1000 |

| SG    | Cat. No.      | Qty. |
|-------|---------------|------|
| SG 10 | <b>033250</b> | 1000 |

| ADP | Cat. No.      | Qty. |
|-----|---------------|------|
| ADP | <b>048540</b> | -    |

| HP   | Cat. No.      | Qty. |
|------|---------------|------|
| HP 4 | <b>048586</b> | 20   |

| FW   | Cat. No.      | Qty. |
|------|---------------|------|
| FW 8 | <b>127696</b> | -    |

| FS   | Cat. No.      | Qty. |
|------|---------------|------|
| FS 8 | <b>128966</b> | -    |

\*\* If the cross-connection runs via the PE connection of the DLA, or if a pole is generally skipped, the nominal voltage is reduced to 30 Vac

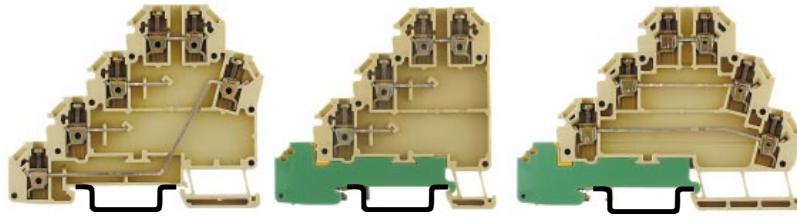
\*\*\* for PE connection

## Feed-through terminals for initiators and motors

### VLI 1.5

### VLI 1.5PE

### MAK 2.5



#### Dimensions

|  |                  |                      |                      |                      |
|--|------------------|----------------------|----------------------|----------------------|
| Width / length / height (mm)                                 | with TS 35 x 7,5 | 6/79/64              | 6/69/63              | 6/88/64              |
| Insulation stripping length/clamping screw/screwdriver blade |                  | 8 mm/M 2,5/3,5 x 0,6 | 8 mm/M 2,5/3,5 x 0,6 | 8 mm/M 2,5/3,5 x 0,6 |

#### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

|   |  |                                  |                                  |   |
|---|--|----------------------------------|----------------------------------|---|
| Rated voltage / current / cross-section |  | 250 V/17,5 A/1,5 mm <sup>2</sup> | 250 V/17,5 A/1,5 mm <sup>2</sup> | 400 V (L-L)/250 V (L-PE)<br>/24 A/2,5 mm <sup>2</sup> |
|---|--|----------------------------------|----------------------------------|---|

|  |  |        |        |        |
|--|--|--------|--------|--------|
| Rated impulse voltage / pollution severity |  | 4 kV/3 | 4 kV/3 | 6 kV/3 |
|--|--|--------|--------|--------|

#### Further technical data

|  |    |           |           |           |
|--|----|-----------|-----------|-----------|
| Tightening torque range                        | Nm | 0,4...0,7 | 0,4...0,7 | 0,4...0,7 |
| Torque setting with DMS 2 electric screwdriver |    | 1         | 1         | 1         |

#### Clampable conductor

|   |                 |                          |                          |                          |
|---|-----------------|--------------------------|--------------------------|--------------------------|
| solid H07V-U  | mm <sup>2</sup> | 0,5...4,0                | 0,5...4,0                | 0,5...4,0                |
| stranded H07V-R   | mm <sup>2</sup> | 0,5...4,0                | 0,5...4,0                | 0,5...4,0                |
| flexible H07V-K   | mm <sup>2</sup> | 0,5...2,5                | 0,5...2,5                | 1,5...2,5                |
| flexible H07V-K and AEH DIN 46 228/1                    | mm <sup>2</sup> | 0,5...2,5                | 0,5...2,5                | 0,5...2,5                |
| flexible H07V-K and AEH with plastic collar             | mm <sup>2</sup> | 0,5...2,5                | 0,5...2,5                | 0,5...2,5                |
| Plug gauge according to 947-1                           | Size            | A3                       | A3                       | A3                       |
| Continuous current of terminal block for conductor size |                 | 24 A/2,5 mm <sup>2</sup> | 24 A/2,5 mm <sup>2</sup> | 24 A/2,5 mm <sup>2</sup> |

|  |   |    |    |    |
|--|---|----|----|----|
| Continuous current rating of cross-connection, multipole | A | 24 | 24 | 24 |
|--|---|----|----|----|

#### UL / CSA rated data

|                                    |     |                        |                        |                        |
|------------------------------------|-----|------------------------|------------------------|------------------------|
| Voltage / current / conductor size | UL  | 300 V/10 A/26...12 AWG | 300 V/10 A/26...12 AWG | 300 V/10 A/22...12 AWG |
| Voltage / current / conductor size | CSA | 300 V/10 A/26...12 AWG | 300 V/10 A/26...12 AWG | 300 V/10 A/22...12 AWG |

#### Ordering data

|         |  |               |      |  |
|---------|--|---------------|------|--|
| Version |  |               |      |  |
| PA      |  | Cat. No.      | Qty. |  |
|         |  | <b>163325</b> | 50   |  |
|         |  | <b>163331</b> | 50   |  |
|         |  | <b>161527</b> | 50   |  |
|         |  | <b>163165</b> | 50   |  |

#### End plate / partition

|  |               |               |      |               |               |      |               |               |      |
|--|---------------|---------------|------|---------------|---------------|------|---------------|---------------|------|
| End plate  | Type          | Cat. No.      | Qty. | Type          | Cat. No.      | Qty. | Type          | Cat. No.      | Qty. |
| Partial end plate for VLI 1.5 – MAK 2.5 combination    | AP VLI1.5     | <b>163326</b> | 20   | AP VLI1.5/PE  | <b>163332</b> | 20   | AP MAK2.5     | <b>161528</b> | 20   |
| Partial end plate for VLI 1.5 – VLI 1.5 PE combination | TEAP 2 MAK2.5 | <b>163333</b> | 20   | TEAP VLI1.5   | <b>163327</b> | 20   | TEAP 2 MAK2.5 | <b>163333</b> | 20   |
| Partial end plate for VLI 1.5 PE – MAK 2.5 combination | TEAP VLI1.5   | <b>163327</b> | 20   | TEAP 1 MAK2.5 | <b>163334</b> | 20   | TEAP 1 MAK2.5 | <b>163334</b> | 20   |

#### Cross-connection

|  |             |               |   |             |               |   |              |               |   |
|--|-------------|---------------|---|-------------|---------------|---|--------------|---------------|---|
| VQB 50-pole, snap-fit, external cross-connection | VQB1.5/50BL | <b>163328</b> | 5 | VQB1.5/50BL | <b>163328</b> | 5 | VQB1.5/50BL* | <b>163328</b> | 5 |
|  | VQB1.5/50RT | <b>163329</b> | 5 | VQB1.5/50RT | <b>163329</b> | 5 | VQB1.5/50RT* | <b>163329</b> | 5 |
|  | VQB1.5/50SW | <b>163512</b> | 5 | VQB1.5/50SW | <b>163512</b> | 5 | VQB1.5/50SW* | <b>163512</b> | 5 |

|                                       |  |  |  |  |  |  |           |               |    |
|---------------------------------------|--|--|--|--|--|--|-----------|---------------|----|
| QB 25-pole, external cross-connection |  |  |  |  |  |  | QB 25 SW* | <b>052000</b> | 20 |
|                                       |  |  |  |  |  |  | QB 25 RT* | <b>052006</b> | 20 |
|                                       |  |  |  |  |  |  | QB 25 BL* | <b>052008</b> | 20 |

#### Group marking

|                           |       |               |      |       |               |      |       |               |      |
|---------------------------|-------|---------------|------|-------|---------------|------|-------|---------------|------|
| Tag carrier for S 10 tags | T 5   | <b>034850</b> | 100  | T 5   | <b>034850</b> | 100  | T 5   | <b>034850</b> | 100  |
|                           | SF 10 | <b>033240</b> | 1000 | SF 10 | <b>033240</b> | 1000 | SF 10 | <b>033240</b> | 1000 |
|                           | SG 10 | <b>033250</b> | 1000 | SG 10 | <b>033250</b> | 1000 | SG 10 | <b>033250</b> | 1000 |

#### Marking tags

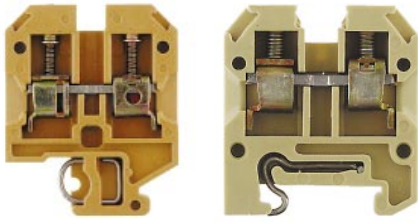
|       |                        |      |               |   |      |               |   |      |               |   |
|-------|------------------------|------|---------------|---|------|---------------|---|------|---------------|---|
| Print | Consecutive horizontal | FW 5 | <b>047346</b> | – | FW 5 | <b>047346</b> | – | FW 5 | <b>047346</b> | – |
|       | Consecutive vertical   | FS 5 | <b>047356</b> | – | FS 5 | <b>047356</b> | – | FS 5 | <b>047356</b> | – |

For further accessories see section 3, further marking material see section 8

\* When using cross-connection bridges, the connection cross-section is reduced by one level

## System advantages

### SAK/AKZ series



#### Stripping length

The required stripping length for all Weidmüller products is specified in mm. These lengths must be observed so that the creepage and clearance paths are not reduced due to improper connection.

#### Mounting

Mounting is carried out on TS 32 mounting rails according to EN 50 035 or TS 15 according to EN 50 045.

#### End plate

The last terminal of a mounted terminal row must be closed with an end plate. The end plate is held in place by the end bracket.

#### Partition

Depending on the operating voltage, a partition must be placed between neighbouring cross-connection groups. This is necessary to maintain the necessary creepage and clearance paths.

#### Small partition

After assembly, small partitions can be inserted between cross-connections or sockets for terminal blocks with a max. width of 12 mm.

#### Cover plates

Several VDE regulations require that the supply connection terminals are labelled. For this purpose, Weidmüller provides a range of cover plates printed with a warning arrow and the international danger symbol. A warning arrow is printed on the reverse side with the words Danger Voltage. The cover plates are attached to the terminals blocks with plastic screws. The cover plates are designed to cover 3 or 4-pole terminal blocks.

#### Cross-connections

Cross-connection systems from the SAK and AKZ series, type Q, QL or VL or other freely accessible live components, must be protected with appropriate covers ADP 1 to 4 or TSK 31.5 as long as they are to be inserted safe from contact.

Frequently, several terminals blocks must be electrically interconnected in order to create supply pick-offs. Because the terminal point usually needs to remain free for the conductor connection, a cross-connection bridge is placed in the middle. For adjacent cross-connections with varying potentials, partitions, end plates or small partitions must be inserted to maintain the nominal voltage. Cross-connection bridges can normally carry half of the rated terminal block current.

Weidmüller distinguishes between the following cross-connection units:

- type Q pre-assembled cross-connections
- type QL permanent cross-connections
- type VL removeable cross-connection straps
- type QS removeable cross-connection plugs

#### Sockets

In place of cross-connections, sockets can be attached to accept test or short-circuit plugs.

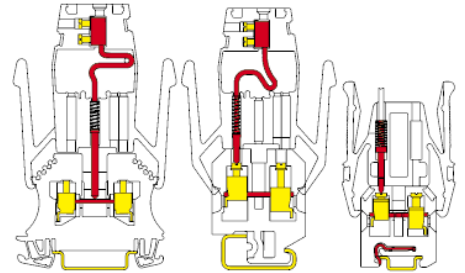
#### Test plugs

2.3 or 4 mm  $\varnothing$  test plugs are available for measurement and test operations .

#### Designation

Incoming and outgoing cables can be labelled using various marking systems, e.g. dekafix, snap-on tags, etc.

#### Test adapters



Safe testing of wired terminal blocks is a basic requirement for fault-free functional sequences. The WTA..., STA..., ATA... test adapter systems for individual terminal block ranges are not only characterised by their quick and easy handling, but also offer other advantages:

- conductor decoupling between the test probe and the test conductor prevents that the test probe is pulled out when the cable is pulled (except for WTA /5... and ATA)
  - spring-loaded test contacts ensure reliable connection and a low contact impedance
  - locating hooks on both sides ensure firm seating, even when cross-connections are fitted
  - the modular concept enables the construction of individual test units
  - single-pole test adapters can be interconnected; strain relief and clear marking options complement the systems
- Naturally, customary **sockets** can also be used whose test pick-off is performed by spring-loaded **test plugs**. This option applies even when cross-connections are fitted.

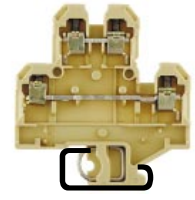
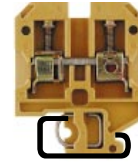
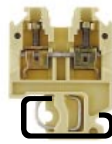
**Feed-through terminals**  
(See page 3/14 for test adapter systems)

**SAKD 2.5 N**

**SAK 2.5**

**SAK 4**

**DK 4 Q\***



**Dimensions**

|  |            |                    |                    |                  |                 |
|--|------------|--------------------|--------------------|------------------|-----------------|
| Width / length / height (mm)                                 | with TS 32 | 5/32,5/43,5        | 6/36,5/46,5        | 6,5/40/51,5      | 6/54/60         |
| Insulation stripping length/clamping screw/screwdriver blade |            | 10/M 2,5/3,5 x 0,6 | 10/M 2,5/3,5 x 0,6 | 12/M 3/3,5 x 0,6 | 9/M 3/3,5 x 0,6 |

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

|  |                                |                                |                              |                                  |
|--|--------------------------------|--------------------------------|------------------------------|----------------------------------|
| Rated voltage / current / cross-section    | 500 V/24 A/2,5 mm <sup>2</sup> | 800 V/24 A/2,5 mm <sup>2</sup> | 800 V/32 A/4 mm <sup>2</sup> | 500 V/2 x 32 A/4 mm <sup>2</sup> |
| Rated impulse voltage / pollution severity | 6 kV/3                         | 8 kV/3                         | 8 kV/3                       | 6 kV/3                           |

**Further technical data**

|  |    |           |           |           |           |
|--|----|-----------|-----------|-----------|-----------|
| Tightening torque range                        | Nm | 0,4...0,7 | 0,4...0,6 | 0,5...1,0 | 0,5...1,0 |
| Torque setting with DMS 2 electric screwdriver |    | 1         | 1         | 2         | 2         |

**Clampable conductor**

|   |                 |                        |                           |                        |                        |
|---|-----------------|------------------------|---------------------------|------------------------|------------------------|
| solid H07V-U  | mm <sup>2</sup> | 0,5...4                | 0,5...6                   | 0,5...6                | 0,5...4                |
| stranded H07V-R   | mm <sup>2</sup> | 0,5...4                | 0,5...2,5                 | 0,5...4                | 1,5...4                |
| flexible H07V-K   | mm <sup>2</sup> | 0,5...4                | 0,5...4                   | 0,5...4                | 0,5...4                |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> | 0,5...4                | 0,5...2,5/4 <sup>4)</sup> | 0,5...4                | 0,5...4                |
| Plug gauge according to 947-1                             | Size            | A 2                    | A 3                       | A 4                    | A 3                    |
| Continuous current of terminal block for conductor size   |                 | 30 A/4 mm <sup>2</sup> | 32 A/4 mm <sup>2</sup>    | 41 A/6 mm <sup>2</sup> | 32 A/4 mm <sup>2</sup> |
| Continuous current rating of cross-connection 2...5-pole  | A               | 20                     | 24                        | 32                     | 20                     |
| Continuous current rating of cross-connection 6...10-pole | A               | 20                     |                           |                        | 20                     |

**Technical data**

|                                    |     |                        |                        |                        |                        |
|------------------------------------|-----|------------------------|------------------------|------------------------|------------------------|
| Voltage / current / conductor size | UL  | 300 V/20 A/28...12 AWG | 600 V/20 A/22...12 AWG | 600 V/20 A/22...12 AWG | 300 V/27 A/22...12 AWG |
| Voltage / current / conductor size | CSA | 300 V/20 A/22...12 AWG | 600 V/25 A/26...10 AWG | 600 V/36 A/26...10 AWG | 300 V/10 A/26...12 AWG |

**Ordering data**

| Version                        | Cat. No.      | Qty. | Version                        | Cat. No.                      | Qty. | Version                        | Cat. No.                      | Qty. |
|--------------------------------|---------------|------|--------------------------------|-------------------------------|------|--------------------------------|-------------------------------|------|
| KrG                            |               |      | KrG                            | <b>027962</b>                 | 100  | KrG                            | <b>012832</b>                 | 100  |
| Blue KrG                       |               |      | Blue KrG                       | <b>027967</b>                 | 100  | Blue KrG                       | <b>012837</b>                 | 100  |
| KrS                            |               |      | KrS                            | <b>027963</b>                 | 100  | KrS                            | <b>012833</b>                 | 100  |
| PA                             | <b>021556</b> | 100  | PA                             | <b>026966</b> <sup>1)3)</sup> | 100  | PA                             | <b>012836</b> <sup>1)2)</sup> | 100  |
| Blue PA                        | <b>021558</b> | 100  | Blue PA                        | <b>026968</b> <sup>1)3)</sup> | 100  | Blue PA                        | <b>012838</b> <sup>1)2)</sup> | 100  |
| Orange PA                      |               |      | Orange PA                      | <b>026964</b> <sup>1)3)</sup> | 100  | Orange PA                      | <b>010506</b> <sup>1)2)</sup> | 100  |
| Terminal block with Bez. PA    | <b>040106</b> | 10   | Terminal block with Bez. PA    | <b>032256</b> <sup>1)</sup>   | 10   | Terminal block with Bez. PA    | <b>032266</b> <sup>1)</sup>   | 10   |
| Terminal block without Bez. PA | <b>040116</b> | 10   | Terminal block without Bez. PA | <b>032286</b> <sup>1)</sup>   | 10   | Terminal block without Bez. PA | <b>030886</b> <sup>1)</sup>   | 10   |

**End plate (thickness mm)**

| Type     | Cat. No. | Qty.          | Type     | Cat. No.      | Qty.          | Type     | Cat. No.      | Qty.          | Type | Cat. No. | Qty.          |    |
|----------|----------|---------------|----------|---------------|---------------|----------|---------------|---------------|------|----------|---------------|----|
| KrG      |          |               | AP (1,5) | <b>027952</b> | 20            | AP (1,5) | <b>011792</b> | 20            |      |          |               |    |
| Blue KrG |          |               | AP (1,5) | <b>027957</b> | 20            | AP (1,5) | <b>011797</b> | 20            |      |          |               |    |
| KrS      |          |               | AP (1,5) | <b>027953</b> | 20            | AP (1,5) | <b>011793</b> | 20            |      |          |               |    |
| PA       | AP (1,5) | <b>015096</b> | 20       | AP (1,5) 6    | <b>046056</b> | 20       | AP (1,5)      | <b>011796</b> | 20   | AP (1,5) | <b>139716</b> | 20 |
| Blue PA  | AP (1,5) | <b>019188</b> | 20       | AP (1,5) 6    | <b>046058</b> | 20       | AP (1,5)      | <b>011798</b> | 20   | AP (1,5) | <b>139718</b> | 20 |
| PA       |          |               |          | AP (1,5) 8    | <b>027956</b> | 20       |               |               |      |          |               |    |
| Blue PA  |          |               |          | AP (1,5) 8    | <b>027958</b> | 20       |               |               |      |          |               |    |

**Partition (thickness mm)**

| Type     | Cat. No. | Qty.          | Type     | Cat. No.      | Qty.          | Type     | Cat. No.      | Qty.          | Type | Cat. No. | Qty.          |    |
|----------|----------|---------------|----------|---------------|---------------|----------|---------------|---------------|------|----------|---------------|----|
| KrG      |          |               | TW (2,5) | <b>030282</b> | 20            | TW (2,5) | <b>013012</b> | 20            |      |          |               |    |
| Blue KrG |          |               | TW (2,5) | <b>030287</b> | 20            | TW (2,5) | <b>010317</b> | 20            |      |          |               |    |
| KrS      |          |               | TW (2,5) | <b>030283</b> | -             | TW (2,5) | <b>013013</b> | 20            |      |          |               |    |
| PA       | TW (1,5) | <b>019186</b> | 20       | TW (1,5)      | <b>030286</b> | 20       | TW (1,5)      | <b>013016</b> | 20   | WTW (Ex) | <b>105880</b> | 20 |
| Blue PA  | TW (1,5) | <b>019188</b> | 20       | TW (1,5)      | <b>030288</b> | 20       | TW (1,5)      | <b>013018</b> | 20   |          |               |    |
| HP       | TW (1,5) | <b>030750</b> | 20       | TW (1,0)      | <b>029710</b> | 20       | TW (1,0)      | <b>019710</b> | 20   | TW (2,0) | <b>060700</b> | 20 |

**Small partition**

|        |               |     |        |               |     |        |               |     |        |               |     |
|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|
| TSch 3 | <b>036686</b> | 100 | TSch 1 | <b>031916</b> | 100 | TSch 1 | <b>031916</b> | 100 | TSch 6 | <b>019026</b> | 100 |
|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|

**Cross-connection**

|         |      |               |    |      |               |    |      |               |    |      |                  |     |
|---------|------|---------------|----|------|---------------|----|------|---------------|----|------|------------------|-----|
| 2-pole  | Q 2  | <b>036780</b> | 50 | Q 2  | <b>033700</b> | 50 | Q 2  | <b>033670</b> | 50 | Q 2  | <b>033640</b>    | 50  |
| 3-pole  | Q 3  | <b>036790</b> | 50 | Q 3  | <b>033710</b> | 50 | Q 3  | <b>033680</b> | 50 | Q 3  | <b>033650</b>    | 50  |
| 4-pole  | Q 4  | <b>036800</b> | 50 | Q 4  | <b>033720</b> | 50 | Q 4  | <b>033690</b> | 50 | Q 4  | <b>033660</b>    | 50  |
| 10-pole | Q 10 | <b>036810</b> | 20 | Q 10 | <b>036870</b> | 20 | Q 10 | <b>036880</b> | 20 | Q 10 | <b>036860</b>    | 20  |
| 2-pole  |      |               |    |      |               |    |      |               |    | QB 2 | <b>048270</b> ** | 100 |
| 3-pole  |      |               |    |      |               |    |      |               |    | QB 3 | <b>048280</b> ** | 50  |
| 4-pole  |      |               |    |      |               |    |      |               |    | QB 4 | <b>048290</b> ** | 50  |

**Switchable cross-connection link**

|      |  |  |      |               |     |      |               |     |
|------|--|--|------|---------------|-----|------|---------------|-----|
| VL 2 |  |  | VL 2 | <b>019700</b> | 100 | VL 2 | <b>044670</b> | 50  |
| BS   |  |  | VH   | <b>028510</b> | 50  | VH   | <b>105650</b> | 100 |
| VH   |  |  | BS   | <b>029250</b> | 100 | BS   | <b>034310</b> | 100 |

**Marking tags**

|                        |       |      |               |   |      |               |   |        |               |   |      |               |   |
|------------------------|-------|------|---------------|---|------|---------------|---|--------|---------------|---|------|---------------|---|
| Consecutive horizontal | Print | FW 5 | <b>047346</b> | - | FW 6 | <b>046866</b> | - | FW 6.5 | <b>046816</b> | - | FW 6 | <b>046866</b> | - |
| Consecutive vertical   |       | FS 5 | <b>047356</b> | - | FS 6 | <b>046876</b> | - | FS 6.5 | <b>046826</b> | - | FW 6 | <b>046876</b> | - |

For further accessories see section 3, further marking material see section 8

\* Accepts LS 2.8 shield lugs Cat. No. 105640

\*\* Max. 2.5 mm<sup>2</sup> conductor connection when using QB

<sup>1)</sup> Contact-proof with ADP 4 cover profile (see page 3/23) <sup>3)</sup> Suitable for SST 3 safety pin

<sup>2)</sup> Not suitable for SST 3 safety pin

<sup>4)</sup> Cat. No. **027966** und **027968**

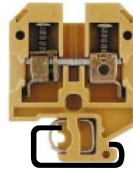
## Feed-through terminals

(See page 3/14 for test adapter systems)

### DK 4 QV\*



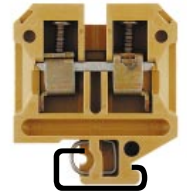
### SAK 6 N



### SAK 10



### SAK 16



#### Dimensions

Width / length / height (mm) with TS 32   
 Insulation stripping length/clamping screw/screwdriver blade

|                    |                       |                     |                     |
|--------------------|-----------------------|---------------------|---------------------|
| 6/54/60            | 8/40/51,5             | 10/40/51,5          | 12/50/57,5          |
| 9 mm/M 3/3,5 x 0,6 | 12 mm/M 3,5/4,0 x 0,8 | 12 mm/M 4/5,5 x 1,0 | 15 mm/M 4/5,5 x 1,0 |

#### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

|  |                              |                              |                               |                                |
|--|------------------------------|------------------------------|-------------------------------|--------------------------------|
| Rated voltage / current / cross-section    | 500 V/32 A/4 mm <sup>2</sup> | 800 V/41 A/6 mm <sup>2</sup> | 800 V/57 A/10 mm <sup>2</sup> | 1000 V/76 A/16 mm <sup>2</sup> |
| Rated impulse voltage / pollution severity | 6 kV/3                       | 8 kV/3                       | 8 kV/3                        | 8 kV/3                         |

#### Further technical data

|  |    |           |           |     |           |
|--|----|-----------|-----------|-----|-----------|
| Tightening torque range                        | Nm | 0,5...1,0 | 0,8...1,6 | 2,0 | 2,0...2,4 |
| Torque setting with DMS 2 electric screwdriver |    | 2         | 3         | 4   | 4         |

#### Clampable conductor

|   |                 |                        |          |                         |          |
|---|-----------------|------------------------|----------|-------------------------|----------|
| solid H07V-U  | mm <sup>2</sup> | 0,5...4                | 0,5...10 | 1,5...10                | 2,5...10 |
| stranded H07V-R   | mm <sup>2</sup> | 1,5...4                | 0,5...6  | 2,5...16                | 4...16   |
| flexible H07V-K   | mm <sup>2</sup> | 0,5...4                | 0,5...10 | 1,5...16                | 4...16   |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> | 0,5...4                | 0,5...6  | 1,5...10                | 4...16   |
| Plug gauge according to 947-1                             | Size            | A 3                    | A 5      | B 6                     | B 6      |
| Continuous current of terminal block for conductor size   |                 | 35 A/4 mm <sup>2</sup> |          | 76 A/16 mm <sup>2</sup> |          |
| Continuous current rating of cross-connection 2...5-pole  | A               | 20                     | 41       | 57                      |          |
| Continuous current rating of cross-connection 6...10-pole | A               | 20                     |          |                         |          |

#### UL / CSA rated data

|                                    |     |                        |                       |                       |                       |
|------------------------------------|-----|------------------------|-----------------------|-----------------------|-----------------------|
| Voltage / current / conductor size | UL  | 300 V/27 A/22...12 AWG | 600 V/40 A/22...8 AWG | 600 V/60 A/14...6 AWG | 600 V/80 A/12...4 AWG |
| Voltage / current / conductor size | CSA | 300 V/10 A/26...12 AWG | 600 V/47 A/20...8 AWG | 600 V/65 A/14...6 AWG | 600 V/87 A/10...4 AWG |

#### Ordering data

| Version                     | Cr | Cat. No.                   | Qty. | Cr | Cat. No.                   | Qty. | Cr | Cat. No.                   | Qty. | Cr | Cat. No.                   | Qty. |
|-----------------------------|----|----------------------------|------|----|----------------------------|------|----|----------------------------|------|----|----------------------------|------|
| KrG                         |    |                            |      |    | <b>019322</b>              | 100  |    | <b>011002<sup>2)</sup></b> | 100  |    | <b>027102</b>              | 50   |
| Blue KrG                    |    |                            |      |    |                            |      |    | <b>011007</b>              | 100  |    |                            |      |
| KrS                         |    |                            |      |    | <b>019323</b>              | 100  |    | <b>011003</b>              | 100  |    | <b>027103</b>              | 50   |
| PA                          |    | <b>059026<sup>1)</sup></b> | 100  |    | <b>019326<sup>1)</sup></b> | 100  |    | <b>011006<sup>1)</sup></b> | 100  |    | <b>027106<sup>1)</sup></b> | 50   |
| Blue PA                     |    | <b>059028<sup>1)</sup></b> | 100  |    | <b>019328<sup>1)</sup></b> | 100  |    | <b>011008<sup>1)</sup></b> | 100  |    | <b>027108<sup>1)</sup></b> | 50   |
| Orange PA                   |    |                            |      |    |                            |      |    |                            |      |    |                            |      |
| Terminal block with Bez.    |    |                            |      |    | <b>032276<sup>1)</sup></b> | 10   |    | <b>035326<sup>1)</sup></b> | 10   |    |                            |      |
| Terminal block without Bez. |    |                            |      |    | <b>030896<sup>1)</sup></b> | 10   |    | <b>035316<sup>1)</sup></b> | 10   |    |                            |      |

#### End plate (thickness mm)

| Type     | Cat. No. | Qty.                   | Type     | Cat. No.      | Qty.          | Type     | Cat. No.      | Qty.          | Type     | Cat. No.      | Qty.          |    |
|----------|----------|------------------------|----------|---------------|---------------|----------|---------------|---------------|----------|---------------|---------------|----|
| KrG      |          |                        | AP (1,5) | <b>011792</b> | 20            | AP (1,5) | <b>011792</b> | 20            | AP (3,0) | <b>027112</b> | 20            |    |
| Blue KrG |          |                        | AP (1,5) | <b>011797</b> | 20            | AP (1,5) | <b>011797</b> | 20            |          |               |               |    |
| KrS      |          |                        | AP (1,5) | <b>011793</b> | 20            | AP (1,5) | <b>011793</b> | 20            | AP (3,0) | <b>027113</b> | 20            |    |
| PA       |          | AP (1,5) <b>139716</b> | 20       | AP (1,5)      | <b>011796</b> | 20       | AP (1,5)      | <b>011796</b> | 20       | AP (1,5)      | <b>027116</b> | 20 |
| Blue PA  |          | AP (1,5) <b>139718</b> | 20       | AP (1,5)      | <b>011798</b> | 20       | AP (1,5)      | <b>011798</b> | 20       | AP (1,5)      | <b>027118</b> | 20 |

#### Partition (thickness mm)

| Type     | Cat. No. | Qty.                   | Type     | Cat. No.      | Qty.          | Type     | Cat. No.      | Qty.          | Type     | Cat. No.      | Qty.          |     |
|----------|----------|------------------------|----------|---------------|---------------|----------|---------------|---------------|----------|---------------|---------------|-----|
| KrG      |          |                        | TW (1,5) | <b>013012</b> | 20            | TW (1,5) | <b>013012</b> | 20            | TW (3,0) | <b>028112</b> | 20            |     |
| Blue KrG |          |                        |          |               |               | TW (1,5) | <b>013017</b> | 20            |          |               |               |     |
| KrS      |          |                        |          |               |               | TW (1,5) | <b>013013</b> | 20            | TW (3,0) | <b>028113</b> | 20            |     |
| PA       |          | WTW (Ex) <b>105880</b> | 20       | TW (1,5)      | <b>013016</b> | 20       | TW (1,5)      | <b>013016</b> | 20       | TW (1,5)      | <b>030366</b> | 10  |
| Blue PA  |          |                        |          | TW (1,5)      | <b>013018</b> | 20       | TW (1,5)      | <b>013018</b> | 20       | TW (1,5)      | <b>030368</b> | 10  |
|          |          |                        |          | TW (1,5)      | <b>019710</b> | 20       | TW (1,5)      | <b>019710</b> | 20       | TW (2,0)      | <b>060700</b> | 20  |
|          |          |                        |          | TSch 1        | <b>031916</b> | 100      | TSch 1        | <b>031916</b> | 100      | TSch 1        | <b>031916</b> | 100 |

#### Cross-connection

|         |      |                 |     |      |               |    |      |               |    |      |               |    |
|---------|------|-----------------|-----|------|---------------|----|------|---------------|----|------|---------------|----|
| 2-pole  | Q 2  | <b>033640</b>   | 50  | Q 2  | <b>045670</b> | 50 | Q 2  | <b>045710</b> | 50 | Q 2  | <b>045750</b> | 50 |
| 3-pole  | Q 3  | <b>033650</b>   | 50  | Q 3  | <b>045680</b> | 50 | Q 3  | <b>045720</b> | 50 | Q 3  | <b>045760</b> | 50 |
| 4-pole  | Q 4  | <b>033660</b>   | 50  | Q 4  | <b>045690</b> | 50 | Q 4  | <b>045730</b> | 50 | Q 4  | <b>045770</b> | 50 |
| 10-pole | Q 10 | <b>036860</b>   | 20  | Q 10 | <b>045700</b> | 20 | Q 10 | <b>045740</b> | 20 | Q 10 | <b>045780</b> | 20 |
|         | QB 2 | <b>048270**</b> | 100 |      |               |    |      |               |    |      |               |    |
|         | QB 3 | <b>048280**</b> | 50  |      |               |    |      |               |    |      |               |    |
|         | QB 4 | <b>048290**</b> | 50  |      |               |    |      |               |    |      |               |    |

#### Cover

|                |               |     |              |               |     |              |               |     |              |               |     |
|----------------|---------------|-----|--------------|---------------|-----|--------------|---------------|-----|--------------|---------------|-----|
| AD 4           | <b>030340</b> | 50  | AD 4         | <b>019660</b> | 50  | AD 4         | <b>017860</b> | 50  | AD 4         | <b>051820</b> | 50  |
| BSK M 2.5 x 18 | <b>030330</b> | 100 | BSK M 3 x 22 | <b>012890</b> | 100 | BSK M 3 x 22 | <b>012890</b> | 100 | BSK M 3 x 22 | <b>012890</b> | 100 |

#### Switchable cross-connection link

|      |               |     |      |               |     |      |               |     |      |               |     |
|------|---------------|-----|------|---------------|-----|------|---------------|-----|------|---------------|-----|
| VL 2 | <b>044670</b> | 50  | VL 2 | <b>019470</b> | 50  | VL 2 | <b>013590</b> | 50  | VL 2 | <b>013580</b> | 50  |
| VH   | <b>105650</b> | 100 | VH   | <b>028510</b> | 50  | VH   | <b>028510</b> | 50  | VH   | <b>028510</b> | 50  |
| BS   | <b>034310</b> | 100 | BS   | <b>029250</b> | 100 | BS   | <b>029250</b> | 100 | BS   | <b>029250</b> | 100 |

#### Marking tags

| Print | Consecutive horizontal | Consecutive vertical |   |      |               |   |
|-------|------------------------|----------------------|---|------|---------------|---|
|       | FW 6                   | <b>046866</b>        | - | FW 8 | <b>127696</b> | - |
|       | FW 6                   | <b>046876</b>        | - | FS 8 | <b>128966</b> | - |
|       |                        |                      |   | FW 5 | <b>047346</b> | - |
|       |                        |                      |   | FS 5 | <b>047356</b> | - |

For further accessories see section 3, further marking material see section 8

<sup>\*)</sup> Accepts LS 2.8 shield lugs Cat. No. 105640

<sup>\*\*)</sup> Max. 2.5 mm<sup>2</sup> conductor connection when using QB

<sup>1)</sup> Contact-proof with ADP 4 cover profile (see page 3/23)  
<sup>2)</sup> See page 2/715 for ceramic terminals

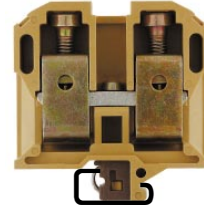
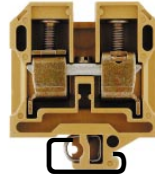
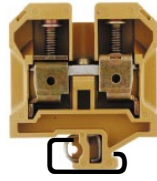
## Feed-through terminals

### SAK 35 N


### SAK 35

### SAK 70

### SAK 95



#### Dimensions

|  |  |                     |                     |                    |                      |
|--|--|---------------------|---------------------|--------------------|----------------------|
| Width / length / height (mm)                                 | with TS 32  | 16/58/67,5          | 18/58/67,5          | 22/75/79,5         | 28/83,5/100,5        |
| Insulation stripping length/clamping screw/screwdriver blade |  | 18 mm/M 6/6,5 x 1,2 | 20 mm/M 6/6,5 x 1,2 | 24 mm/M 8/S 6 D911 | 30 mm/M 10/S 8 D6911 |

#### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

|  |                                 |                                |                                 |                                 |
|--|---------------------------------|--------------------------------|---------------------------------|---------------------------------|
| Rated voltage / current / cross-section    | 1000 V/125 A/35 mm <sup>2</sup> | 800 V/125 A/35 mm <sup>2</sup> | 1000 V/192 A/70 mm <sup>2</sup> | 1000 V/232 A/95 mm <sup>2</sup> |
| Rated impulse voltage / pollution severity | 8 kV/3                          | 8 kV/3                         | 8 kV/3                          | 8 kV/3                          |

#### Further technical data

|  |    |                        |                        |            |             |
|--|----|------------------------|------------------------|------------|-------------|
| Tightening torque range                        | Nm | 2,5...5,0/3,0...6,0*** | 2,5...5,0/3,0...6,0*** | 6,0...12,0 | 10,0...20,0 |
| Torque setting with DMS 2 electric screwdriver |    |                        |                        |            |             |



#### Clampable conductor

|   |                 |                          |                          |                          |                           |
|---|-----------------|--------------------------|--------------------------|--------------------------|---------------------------|
| solid H07V-U  | mm <sup>2</sup> | 2,5...16                 | 6...10                   | 16                       | 10...16                   |
| stranded H07V-R   | mm <sup>2</sup> | 2,5...50                 | 16...50                  | 16...70                  | 10...120                  |
| flexible H07V-K   | mm <sup>2</sup> | 2,5...35                 | 10...35                  | 16...70                  | 10...95                   |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> | 2,5...35                 | 10...35                  | 16...35                  | 10...35                   |
| Plug gauge according to 947-1                             | Size            | B 8                      | B 9                      | B 11                     | B 12                      |
| Continuous current of terminal block for conductor size   |                 | 138 A/35 mm <sup>2</sup> | 138 A/35 mm <sup>2</sup> | 213 A/70 mm <sup>2</sup> | 258 A/120 mm <sup>2</sup> |
| Continuous current rating of cross-connection 2...5-pole  | A               | 65                       | 65                       | 180                      | 180                       |
| Continuous current rating of cross-connection 6...10-pole | A               | 65                       | 65                       |                          |                           |


#### UL / CSA rated data

|                                    |     |                        |                       |                         |                         |
|------------------------------------|-----|------------------------|-----------------------|-------------------------|-------------------------|
| Voltage / current / conductor size | UL  | 600 V/100 A/12...2 AWG | 600 V/100 A/6...2 AWG | 600 V/145 A/4...2/0 AWG | 600 V/190 A/6...3/0 AWG |
| Voltage / current / conductor size | CSA | 600 V/120 A/12...2 AWG | 600 V/145 A/6...2 AWG | 600 V/150 A/4...2/0 AWG | 600 V/260 A/6...3/0 AWG |


#### Ordering data

| Version   | Cat. No.      | Qty. | Version   | Cat. No.      | Qty. |
|---|---------------|------|---|---------------|------|
|  | <b>055062</b> | 20   |  | <b>030352</b> | 20   |
| Hexagon socket KrG  | <b>055572</b> | 20   |   | <b>047652</b> | 20   |
| Hexagon socket blue KrG   |               |      |   | <b>034082</b> | 10   |
| KrS   | <b>055063</b> | 20   |   | <b>034087</b> | 10   |
| Hexagon socket KrS  | <b>055573</b> | 20   |   | <b>034083</b> | 10   |
| PA  | <b>055066</b> | 20   |   |               |      |
| Hexagon socket PA   | <b>055576</b> | 20   |   |               |      |
| Blue PA   |               |      |   |               |      |
| Terminal block with marking   |               |      |   |               |      |
| Terminal block without marking  |               |      |   |               |      |


#### End plate (thickness mm)

| Type   | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          |    |
|--|----------|---------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|----|
|  KrG | AP (3,0) | <b>030362</b> | 10   | AP (3,0) | <b>030362</b> | 10   | AP (4,0) | <b>034092</b> | 10   | AP (3,0) | <b>055092</b> | 10 |
| Blue KrG   | AP (3,0) | <b>030367</b> | 10   | AP (3,0) | <b>030367</b> | 10   |          |               |      | AP (3,0) | <b>055097</b> | 10 |
| KrS  | AP (3,0) | <b>030363</b> | 10   | AP (3,0) | <b>030363</b> | 10   | AP (4,0) | <b>034093</b> | 10   |          |               |    |
| PA   | AP (1,5) | <b>030366</b> | 10   | AP (1,5) | <b>030366</b> | 10   | AP (2,0) | <b>034096</b> | 10   |          |               |    |
| Blue PA  | AP (3,0) | <b>030368</b> | 10   | AP (3,0) | <b>030368</b> | 10   |          |               |      |          |               |    |
| Orange PA  |          |               |      |          |               |      |          |               |      |          |               |    |


#### Partition (thickness mm)

| Type   | Cat. No. | Qty.          | Type | Cat. No. | Qty.          |    |
|--|----------|---------------|------|----------|---------------|----|
|  KrG | TW (3,0) | <b>030432</b> | 10   | TW (3,0) | <b>030432</b> | 10 |
| Blue KrG   |          |               |      |          |               |    |
| KrS  | TW (3,0) | <b>030433</b> | 10   | TW (3,0) | <b>030433</b> | 10 |
| PA   | TW (1,5) | <b>030436</b> | 10   | TW (1,5) | <b>030436</b> | 10 |
| Blue PA  |          |               |      |          |               |    |


#### Cross-connection

| Type  | Cat. No.      | Qty.          | Type      | Cat. No.      | Qty.          | Type      | Cat. No.      | Qty.          | Type      | Cat. No.      | Qty.          |    |
|---|---------------|---------------|-----------|---------------|---------------|-----------|---------------|---------------|-----------|---------------|---------------|----|
|  2-pole | QL 2          | <b>056490</b> | 50        | QL 2          | <b>012360</b> | 20        | QL 2          | <b>034530</b> | 20        | QL 2          | <b>055120</b> | 10 |
| 3-pole  | QL 3          | <b>056500</b> | 50        | QL 3          | <b>012370</b> | 20        | QL 3          | <b>016700</b> | 20        |               |               |    |
| 4-pole  | QL 4          | <b>056510</b> | 50        | QL 4          | <b>012380</b> | 20        |               |               |           |               |               |    |
| 10-pole   | QL 10         | <b>056520</b> | 20        | QL 10         | <b>033860</b> | 20        |               |               |           |               |               |    |
| VH 17   | <b>026700</b> | 50            | VH 17     | <b>026700</b> | 50            | VH 30.5   | <b>034550</b> | 20            | VH 35     | <b>055110</b> | 10            |    |
| BS M 4x30   | <b>026710</b> | 50            | BS M 4x30 | <b>026710</b> | 50            | BS M 5x45 | <b>034560</b> | 20            | BS M 5x50 | <b>063020</b> | 20            |    |
| SS M 4  | <b>013640</b> | 100           | SS M 4    | <b>013640</b> | 100           | SS M 5    | <b>034610</b> | 100           |           |               |               |    |

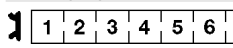
#### Switchable cross-connection link

| Type  | Cat. No. | Qty. | Type      | Cat. No.      | Qty. |
|---|----------|------|-----------|---------------|------|
|  VL 2 |          |      | VL 2      | <b>012400</b> | 50   |
| BS  |          |      | VH 24,5   | <b>029870</b> | 50   |
| VH  |          |      | BS M 4x35 | <b>029890</b> | 50   |

#### Cover / Test plug

| Type  | Cat. No.      | Qty. | Type       | Cat. No.      | Qty. | Type       | Cat. No.      | Qty. | Type  | Cat. No.      | Qty. |
|---|---------------|------|------------|---------------|------|------------|---------------|------|-------|---------------|------|
|  AD 4 | <b>057670</b> | 50   | AD 4       | <b>017870</b> | 20   | AD 4       | <b>034430</b> | -    | ADP 4 | <b>048540</b> | -    |
| BSK M 4x32  | <b>012910</b> | 50   | BSK M 4x32 | <b>012910</b> | 50   | BSK M 5x45 | <b>034440</b> | 50   |       |               |      |
| PS 4  | <b>029960</b> | 20   | PS 4       | <b>029960</b> | 20   | PS 4       | <b>029960</b> | 20   | PS 4  | <b>029960</b> | 20   |

#### Marking tags

| Print   | Cat. No. | Qty.          | Print | Cat. No. | Qty.          | Print | Cat. No. | Qty.          | Print | Cat. No. | Qty.          |   |
|---|----------|---------------|-------|----------|---------------|-------|----------|---------------|-------|----------|---------------|---|
|  Consecutive horizontal | FW 5     | <b>047346</b> | -     | FW 5     | <b>047346</b> | -     | FW 5     | <b>047346</b> | -     | FW 5     | <b>047346</b> | - |
| Consecutive vertical  | FS 5     | <b>047356</b> | -     | FS 5     | <b>047356</b> | -     | FS 5     | <b>047356</b> | -     | FS 5     | <b>047356</b> | - |

For further accessories see section 3, further marking material see section 8

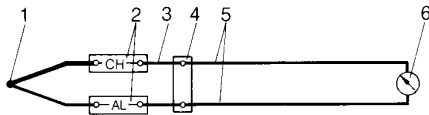
\*\*\* For hexagon socket

## Feed-through terminals for thermocouples

Busbars made from thermocouple material according to DIN IEC 584

Weidmüller **thermocouple terminals** are specially designed for transmitting the smallest voltages in temperature measuring circuits. Special busbars ensure that no false signals occur in the terminal when temperature differences exist in the positive and negative path. This high measuring precision is necessary for, e.g. test beds aircraft engines, for complicated chemical processes, control, etc.

### I. Configuration of a temperature measuring circuit



- 1 Thermocouple (sensor)
- 2 Thermocouple terminals
- 3 Compensating conductor
- 4 Reference point
- 5 Supply conductors (to and from)
- 6 Measuring device

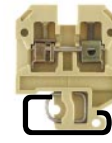
The thermocouple terminals displayed in this measurement circuit are used to thermoelectrically transmit thermal e.m.f. of the thermocouple to the reference point and indicating device via the thermocouple.

Thermocouple terminals are required for the construction of temperature measuring circuits; SAK 2.5 NiCr for the positive and SAK 2.5 Ni for the negative voltage branches.

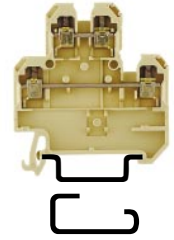
### II. Symbols Thermocouples according to IEC 584 DIN 43710

| Terminal designation | Busbar material trade name |
|----------------------|----------------------------|
| <b>a) (Type J)</b>   |                            |
| Fe (positive leg)    | Iron                       |
| CuNi (negative leg)  | Constantan                 |
| <b>b) (Type T)</b>   |                            |
| Cu (positive leg)    | Copper                     |
| CuNi (negative leg)  | Constantan                 |
| <b>c) (Type K)</b>   |                            |
| NiCr (positive leg)  | Chromel                    |
| Ni (negative leg)    | Alumel                     |
| <b>d) (Type E)</b>   |                            |
| NiCr (positive leg)  | Chromel                    |
| CuNi (negative leg)  | Constantan                 |

## SAK 2.5 TC



## DK 4 TC



#### Dimensions

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

6/36,5/49,5

10 mm/M 2,5/3,5 x 0,6

6/54/59,5

9 mm/M 3/3,5 x 0,6

#### Technical data/VDE

Nominal voltage/nominal current nominal cross-section

-/-

2,5 mm<sup>2</sup>

-/-

4 mm<sup>2</sup>

#### Ordering data

| Version | Type |
|---------|------|
| NiCr    |      |
| Ni      |      |
| CuNi    |      |
| Fe      |      |
| Cu      |      |
| NiCr/Ni | K    |
| Cu/CuNi | T    |
| Fe/CuNi | J    |

| Cat. No.      | Qty. |
|---------------|------|
| <b>010726</b> | 100  |
| <b>010716</b> | 100  |
| <b>018986</b> | 100  |
| <b>019006</b> | 100  |
| <b>018996</b> | 100  |

| Cat. No.      | Qty. |
|---------------|------|
| <b>133826</b> | 100  |
| <b>133816</b> | 100  |
| <b>133806</b> | 100  |

#### End plate (thickness mm)



|           |
|-----------|
| KrG       |
| Blue KrG  |
| KrS       |
| PA        |
| Blue PA   |
| Orange PA |

| Type     | Cat. No.      | Qty. |
|----------|---------------|------|
| AP (1,5) | <b>027956</b> | 20   |

| Type     | Cat. No.      | Qty. |
|----------|---------------|------|
| AP (1,5) | <b>063136</b> | 20   |

#### Partition (thickness mm)

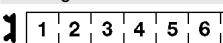


|              |
|--------------|
| KrG          |
| Blue KrG     |
| KrS          |
| PA           |
| WEM          |
| for TS 32 HP |

| Type     | Cat. No.      | Qty. |
|----------|---------------|------|
| TW (1,5) | <b>030286</b> | 20   |

| Type        | Cat. No.      | Qty. |
|-------------|---------------|------|
| WTW (Ex)e   | <b>105880</b> | 20   |
| TW HP (2,0) | <b>060700</b> | 20   |

#### Marking material



Consecutive horizontal Consecutive vertical

|      |               |   |
|------|---------------|---|
| FW 6 | <b>046866</b> | - |
| FS 6 | <b>046876</b> | - |

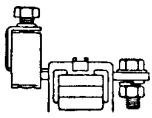
|      |               |   |
|------|---------------|---|
| FW 6 | <b>046866</b> | - |
| FS 6 | <b>046876</b> | - |

For further accessories see section 3, further marking material see section 8

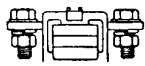
The Weidmüller SAKG range offers the following connection variants:

- clamping yoke connection, Version III. The stripped conductor can be connected without further preparation.
- flat lug, Version II. Two types of threading are provided here.
  - a) screw set with lock nut
  - b) with thread in busbar
- clamping yoke/flat lug as a combination, Version I.

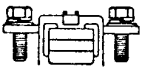
Versions



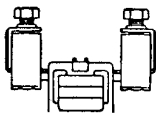
Version I



Version II  
without thread



Version II  
with thread

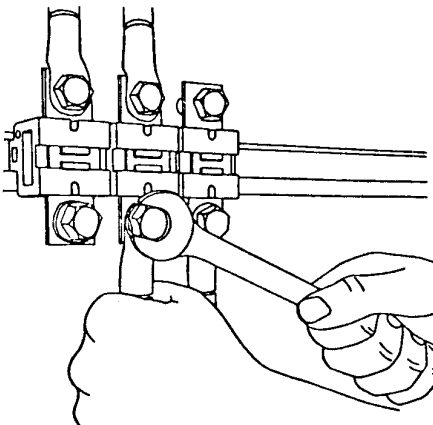


Version III

Cables with cable lugs are connected to SAKG terminals of Version I and to SS stud terminals.

Fitting instructions for SAKG terminals

When tightening the clamping screw, it is recommended that the conductor be held against the direction of tightening to prevent deformation of the mounting rail and so as not to place the terminal foot under undue torsional forces.



Cover

To ensure shock protection following connection of **conductors**, **AH** covers can be clipped onto the terminal.



Dimensions

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

|             |          |
|-------------|----------|
| 28/70/63,5  | 28/70/53 |
| 15 mm/M 6/- | -/M 6/-  |

VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

|  |                                  |                                  |
|--|----------------------------------|----------------------------------|
| Rated voltage / current / cross-section    | 1000 V*/125 A/35 mm <sup>2</sup> | 1000 V*/125 A/35 mm <sup>2</sup> |
| Rated impulse voltage / pollution severity | 8 kV/3                           | 8 kV/3                           |

Further technical data

|  |    |       |       |
|--|----|-------|-------|
| Tightening torque range                        | Nm | 3...6 | 3...6 |
| Torque setting with DMS 2 electric screwdriver |    |       |       |

Clampable conductor

|   |                 |                          |            |
|---|-----------------|--------------------------|------------|
| solid H07V-U  | mm <sup>2</sup> | 6...35                   |            |
| stranded H07V-R   | mm <sup>2</sup> | 6...35                   |            |
| flexible H07V-K   | mm <sup>2</sup> | 10...35                  |            |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> | 6...35                   |            |
| Plug gauge according to 947-1                             | Size            | B 9                      |            |
| Continuous current of terminal block for conductor size   |                 | 135 A/50 mm <sup>2</sup> |            |
| Continuous current rating of cross-connection 2...5-pole  | A               | (QL 2) 110               | (QL 2) 110 |
| Continuous current rating of cross-connection 6...10-pole | A               |                          |            |

UL / CSA rated data

|                                    |     |                       |                       |
|------------------------------------|-----|-----------------------|-----------------------|
| Voltage / current / conductor size | UL  | 600 V/95 A/2 AWG      | 600 V/115 A/2 AWG     |
| Voltage / current / conductor size | CSA | 600 V/110 A/6...1 AWG | 600 V/110 A/6...1 AWG |

Ordering data

|      |          |      |      |          |      |
|------|----------|------|------|----------|------|
| Type | Cat. No. | Qty. | Type | Cat. No. | Qty. |
|      | 017002   | 10   |      | 017032   | 10   |

End plate, Hard paper (thickness mm)

|          |          |      |          |          |      |
|----------|----------|------|----------|----------|------|
| Type     | Cat. No. | Qty. | Type     | Cat. No. | Qty. |
| EP 1 (2) | 020510   | 10   | EP 1 (2) | 020510   | 10   |
| EP 1 (2) | 020520   | 10   | EP 1 (2) | 020520   | 10   |

Partition, Hard paper (thickness mm)

|          |          |      |          |          |      |
|----------|----------|------|----------|----------|------|
| Type     | Cat. No. | Qty. | Type     | Cat. No. | Qty. |
| TW 1 (2) | 015140   | 10   | TW 1 (2) | 015140   | 10   |
| TW 1     | 016460   | 10   | TW 1     | 016460   | 10   |

Cross-connection

|        |      |        |   |      |        |   |
|--------|------|--------|---|------|--------|---|
| 2-pole | QL 2 | 019390 | 5 | QL 2 | 019390 | 5 |
| 3-pole | QL 3 | 040760 | 5 | QL 3 | 040760 | 5 |
| 4-pole | QL 4 | 040770 | 5 | QL 4 | 040770 | 5 |

Cover

|       |        |   |       |        |   |
|-------|--------|---|-------|--------|---|
| AH 28 | 032666 | 5 | AH 28 | 032666 | 5 |
|-------|--------|---|-------|--------|---|

Marking tags

|       |                        |      |        |   |      |        |   |
|-------|------------------------|------|--------|---|------|--------|---|
| Print | Consecutive horizontal | FW 5 | 047346 | - | FW 5 | 047346 | - |
|       | Consecutive vertical   | FS 5 | 047356 | - | FS 5 | 047356 | - |

For further accessories see section 3, further marking material see section 8

\* During conductor connection, observe clearance and creepage distances. Insert partitions if necessary. See Page 1/9 for a table of clearance and creepage distances.

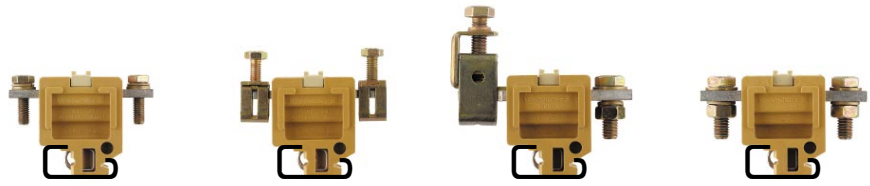
**Feed-through terminals**

**SAKG 28 II G**

**SAKG 28 III**

**SAKG 32 I**

**SAKG 32 II**



**Dimensions**

|  |            |          |             |             |          |
|--|------------|----------|-------------|-------------|----------|
| Width / length / height (mm)                                 | with TS 32 | 28/70/53 | 28/70/63,5  | 32/87/84    | 32/80/53 |
| Insulation stripping length/clamping screw/screwdriver blade |            | -/M 6/-  | 15 mm/M 6/- | 26 mm/M 8/- | -/M 8/-  |

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

|  |                                  |                                  |                                  |                                  |
|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Rated voltage / current / cross-section    | 1000 V*/125 A/35 mm <sup>2</sup> | 1000 V*/125 A/35 mm <sup>2</sup> | 1000 V*/150 A/50 mm <sup>2</sup> | 1000 V*/150 A/50 mm <sup>2</sup> |
| Rated impulse voltage / pollution severity | 8 kV/3                           | 8 kV/3                           | 8 kV/3                           | 8 kV/3                           |

**Further technical data**

|  |    |       |       |        |        |
|--|----|-------|-------|--------|--------|
| Tightening torque range                        | Nm | 3...6 | 3...6 | 6...12 | 6...12 |
| Torque setting with DMS 2 electric screwdriver |    |       |       |        |        |

**Clampable conductor**

|   |                 |            |         |                          |                          |
|---|-----------------|------------|---------|--------------------------|--------------------------|
| solid H07V-U  | mm <sup>2</sup> |            | 6...35  | 10...70                  |                          |
| stranded H07V-R   | mm <sup>2</sup> |            | 6...35  | 10...70                  |                          |
| flexible H07V-K   | mm <sup>2</sup> |            | 10...35 | 10...70                  |                          |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> |            | 6...35  | 10...35                  |                          |
| Plug gauge according to 947-1                             | Size            |            | B 9     | B 11                     |                          |
| Continuous current of terminal block for conductor size   |                 |            |         | 170 A/70 mm <sup>2</sup> | 168 A/70 mm <sup>2</sup> |
| Continuous current rating of cross-connection 2...5-pole  | A               | (QL 2) 110 |         | (QL 2) 170               |                          |
| Continuous current rating of cross-connection 6...10-pole | A               |            |         |                          |                          |

**UL / CSA rated data**

|                                    |     |                       |                         |                         |                         |
|------------------------------------|-----|-----------------------|-------------------------|-------------------------|-------------------------|
| Voltage / current / conductor size | UL  | 600 V/110 A/6...1 AWG | 600 V/95 A/2 AWG        | 600 V/165 A/3 AWG       | 600 V/200 A/3 AWG       |
| Voltage / current / conductor size | CSA | 600 V/135 A/8...2 AWG | 600 V/170 A/1...2/0 AWG | 600 V/170 A/1...2/0 AWG | 600 V/170 A/1...2/0 AWG |

**Ordering data**

|                        |  |               |      |  |               |      |  |               |      |  |               |      |
|------------------------|--|---------------|------|--|---------------|------|--|---------------|------|--|---------------|------|
| Version                |  | Cat. No.      | Qty. |  | Cat. No.      | Qty. |  | Cat. No.      | Qty. |  | Cat. No.      | Qty. |
| KrG                    |  | <b>018502</b> | 10   |  | <b>017082</b> | 10   |  | <b>028662</b> | 10   |  | <b>017042</b> | 10   |
| Two clamping yokes KrG |  |               |      |  |               |      |  |               |      |  |               |      |

**End plate, Hard paper (thickness mm)**

|  |              |          |               |      |          |               |      |          |               |      |          |               |      |
|--|--------------|----------|---------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|------|
|  | Tropic-proof | Type     | Cat. No.      | Qty. | Type     | Cat. No.      | Qty. | Type     | Cat. No.      | Qty. | Type     | Cat. No.      | Qty. |
|  |              | EP 1 (2) | <b>020510</b> | 10   | EP 1 (2) | <b>020510</b> | 10   | EP 1 (2) | <b>020530</b> | 10   | EP 1 (2) | <b>020510</b> | 10   |
|  |              | EP 1 (2) | <b>020520</b> | 10   | EP 1 (2) | <b>020520</b> | 10   | EP 1 (2) | <b>020540</b> | 10   | EP 1 (2) | <b>020520</b> | 10   |

**Partition, Hard paper (thickness mm)**

|  |              |          |               |    |          |               |    |          |               |    |          |               |    |
|--|--------------|----------|---------------|----|----------|---------------|----|----------|---------------|----|----------|---------------|----|
|  | Tropic-proof | TW 1 (2) | <b>015140</b> | 10 | TW 1 (2) | <b>015140</b> | 10 | TW 2 (2) | <b>017710</b> | 10 | TW 1 (2) | <b>015140</b> | 10 |
|  |              | TW 1     | <b>016460</b> | 10 | TW 1     | <b>016460</b> | 10 | TW 2     | <b>017990</b> | 10 | TW 1     | <b>016460</b> | 10 |

**Cross-connection**

|  |        |      |               |   |  |  |  |      |               |   |      |               |   |
|--|--------|------|---------------|---|--|--|--|------|---------------|---|------|---------------|---|
|  | 2-pole | QL 2 | <b>019390</b> | 5 |  |  |  | QL 2 | <b>019400</b> | 5 | QL 2 | <b>019400</b> | 5 |
|  | 3-pole | QL 3 | <b>040760</b> | 5 |  |  |  | QL 3 | <b>044150</b> | 5 | QL 3 | <b>044150</b> | 5 |
|  | 4-pole | QL 4 | <b>040770</b> | 5 |  |  |  | QL 4 | <b>044160</b> | 5 | QL 4 | <b>044160</b> | 5 |

**Cover**

|  |       |               |   |       |               |   |       |               |   |       |               |   |
|--|-------|---------------|---|-------|---------------|---|-------|---------------|---|-------|---------------|---|
|  | AH 28 | <b>032666</b> | 5 | AH 28 | <b>032666</b> | 5 | AH 32 | <b>032676</b> | 5 | AH 32 | <b>032676</b> | 5 |
|--|-------|---------------|---|-------|---------------|---|-------|---------------|---|-------|---------------|---|

**Marking tags**

|  |       |                        |      |               |   |      |               |   |      |               |   |      |               |   |
|--|-------|------------------------|------|---------------|---|------|---------------|---|------|---------------|---|------|---------------|---|
|  | Print | Consecutive horizontal | FW 5 | <b>047346</b> | - | FW 5 | <b>047346</b> | - | FW 5 | <b>047346</b> | - | FW 5 | <b>047346</b> | - |
|  |       | Consecutive vertical   | FS 5 | <b>047356</b> | - | FS 5 | <b>047356</b> | - | FS 5 | <b>047356</b> | - | FS 5 | <b>047356</b> | - |

For further accessories see section 3, further marking material see section 8

\* During conductor connection, observe clearance and creepage distances. Insert partitions if necessary. See Page 1/19 for a table of clearance and creepage distances.



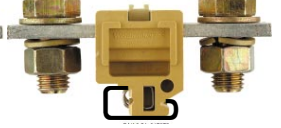
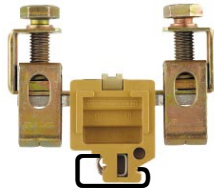
**Feed-through terminals**

**SAKG 40 III**

**SAKG 46 II**

**SAKG 46 II G**

**SAKG 54 II**



**Dimensions**

|  |            |              |           |             |           |
|--|------------|--------------|-----------|-------------|-----------|
| Width / length / height (mm)                                 | with TS 32 | 40/100/84    | 46/106/55 | 46/106/57,5 | 54/122/57 |
| Insulation stripping length/clamping screw/screwdriver blade |            | 27 mm/M 10/- | -/M 12/-  | -/M 12/-    | -/M 16/-  |

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

|  |                                  |                                   |                                   |                                   |
|--|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Rated voltage / current / cross-section    | 1000 V*/232 A/95 mm <sup>2</sup> | 1000 V*/309 A/150 mm <sup>2</sup> | 1000 V*/309 A/150 mm <sup>2</sup> | 1000 V*/415 A/240 mm <sup>2</sup> |
| Rated impulse voltage / pollution severity | 8 kV/3                           | 8 kV/3                            | 8 kV/3                            | 8 kV/3                            |

**Further technical data**

|  |    |         |         |         |         |
|--|----|---------|---------|---------|---------|
| Tightening torque range                        | Nm | 10...20 | 14...31 | 14...31 | 25...60 |
| Torque setting with DMS 2 electric screwdriver |    |         |         |         |         |

**Clampable conductor**

|   |                 |                          |                           |                           |                           |
|---|-----------------|--------------------------|---------------------------|---------------------------|---------------------------|
| solid H07V-U  | mm <sup>2</sup> | 10...95                  |                           |                           |                           |
| stranded H07V-R   | mm <sup>2</sup> | 10...95                  |                           |                           |                           |
| flexible H07V-K   | mm <sup>2</sup> | 10...95                  |                           |                           |                           |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> | 10...35                  |                           |                           |                           |
| Plug gauge according to 947-1                             | Size            | B 12                     |                           |                           |                           |
| Continuous current of terminal block for conductor size   |                 | 265 A/95 mm <sup>2</sup> | 415 A/150 mm <sup>2</sup> | 415 A/150 mm <sup>2</sup> | 600 A/240 mm <sup>2</sup> |
| Continuous current rating of cross-connection 2...5-pole  | A               |                          |                           | (QL 2) 415                | (QL 2) 600                |
| Continuous current rating of cross-connection 6...10-pole | A               |                          |                           |                           |                           |

**UL / CSA rated data**

|                                    |     |                           |                     |                     |                           |
|------------------------------------|-----|---------------------------|---------------------|---------------------|---------------------------|
| Voltage / current / conductor size | UL  | 600 V/195 A/4/0 AWG       | 600 V/285 A/4/0 AWG | 600 V/285 A/4/0 AWG | 600 V/380 A/500 MCM       |
| Voltage / current / conductor size | CSA | 600 V/230 A/2/0...4/0 AWG | 600 V/365 A/300 MCM | 600 V/365 A/300 MCM | 600 V/600 A/300...500 MCM |

**Ordering data**

|                        |  |               |      |  |               |      |  |               |      |
|------------------------|--|---------------|------|--|---------------|------|--|---------------|------|
| Version                |  | Cat. No.      | Qty. |  | Cat. No.      | Qty. |  | Cat. No.      | Qty. |
| KrG                    |  | <b>028692</b> | 10   |  | <b>017062</b> | 10   |  | <b>018532</b> | 10   |
| Two clamping yokes KrG |  |               |      |  |               |      |  | <b>017072</b> | 10   |

**End plate, Hard paper (thickness mm)**

|  |              |          |               |      |          |               |      |          |               |      |          |               |      |
|--|--------------|----------|---------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|------|
|  | Tropic-proof | Type     | Cat. No.      | Qty. | Type     | Cat. No.      | Qty. | Type     | Cat. No.      | Qty. | Type     | Cat. No.      | Qty. |
|  |              | EP 2 (2) | <b>020530</b> | 10   | EP 2 (2) | <b>020530</b> | 10   | EP 2 (2) | <b>020530</b> | 10   | EP 2 (2) | <b>020530</b> | 10   |
|  |              | EP 2 (2) | <b>020540</b> | 10   | EP 2 (2) | <b>020540</b> | 10   | EP 2 (2) | <b>020540</b> | 10   | EP 2 (2) | <b>020540</b> | 10   |

**Partition, Hard paper (thickness mm)**

|  |              |          |               |    |          |               |    |          |               |    |          |               |    |
|--|--------------|----------|---------------|----|----------|---------------|----|----------|---------------|----|----------|---------------|----|
|  | Tropic-proof | TW 2 (2) | <b>017710</b> | 10 | TW 2 (2) | <b>017710</b> | 10 | TW 2 (2) | <b>017710</b> | 10 | TW 2 (2) | <b>017710</b> | 10 |
|  |              | TW 2 (2) | <b>017990</b> | 10 | TW 2 (2) | <b>017990</b> | 10 | TW 2 (2) | <b>017990</b> | 10 | TW 2 (2) | <b>017990</b> | 10 |

**Cross-connection**

|  |        |      |               |   |      |               |   |      |               |   |
|--|--------|------|---------------|---|------|---------------|---|------|---------------|---|
|  | 2-pole | QL 2 | <b>024700</b> | 5 | QL 2 | <b>024700</b> | 5 | QL 2 | <b>026440</b> | 5 |
|  | 3-pole | QL 3 | <b>044440</b> | 5 | QL 3 | <b>044440</b> | 5 | QL 3 | <b>040800</b> | 5 |
|  | 4-pole | QL 4 | <b>044450</b> | 5 | QL 4 | <b>044450</b> | 5 | QL 4 | <b>024740</b> | 5 |

**Cover**

|  |       |               |   |       |               |   |       |               |   |
|--|-------|---------------|---|-------|---------------|---|-------|---------------|---|
|  | AH 40 | <b>032686</b> | 5 | AH 46 | <b>032696</b> | 5 | AH 46 | <b>032696</b> | 5 |
|--|-------|---------------|---|-------|---------------|---|-------|---------------|---|

**Marking tags**

|  |       |                        |      |               |   |      |               |   |      |               |   |      |               |   |
|--|-------|------------------------|------|---------------|---|------|---------------|---|------|---------------|---|------|---------------|---|
|  | Print | Consecutive horizontal | FW 5 | <b>047346</b> | - | FW 5 | <b>047346</b> | - | FW 5 | <b>047346</b> | - | FW 5 | <b>047346</b> | - |
|  |       | Consecutive vertical   | FS 5 | <b>047356</b> | - | FS 5 | <b>047356</b> | - | FS 5 | <b>047356</b> | - | FS 5 | <b>047356</b> | - |

For further accessories see section 3, further marking material see section 8

\* During conductor connection, observe clearance and creepage distances. Insert partitions if necessary. See Page 1/19 for a table of clearance and creepage distances.

**SAKG 54 II G**

**SAKG 46/I AL**



|                                   |               |      |                                   |                  |      |  |  |  |  |
|-----------------------------------|---------------|------|-----------------------------------|------------------|------|--|--|--|--|
| 54/122/60                         |               |      | 46/112/74                         |                  |      |  |  |  |  |
| -/M 16/-                          |               |      | 23 mm/M 12/M 14/-                 |                  |      |  |  |  |  |
| 1000 V*/415 A/240 mm <sup>2</sup> |               |      | 1000 V*/309 A/150 mm <sup>2</sup> |                  |      |  |  |  |  |
| 8 kV/3                            |               |      | 8 kV/3                            |                  |      |  |  |  |  |
| 25...60                           |               |      | 14...31/25...40                   |                  |      |  |  |  |  |
|                                   |               |      | 50...240                          |                  |      |  |  |  |  |
|                                   |               |      | 35...185                          |                  |      |  |  |  |  |
| 600 A/240 mm <sup>2</sup>         |               |      |                                   |                  |      |  |  |  |  |
| (QL 2) 600                        |               |      |                                   |                  |      |  |  |  |  |
| 600 V/380 A/500 MCM               |               |      | -                                 |                  |      |  |  |  |  |
| 600 V/600 A/300...500 MCM         |               |      | -                                 |                  |      |  |  |  |  |
|                                   | Cat. No.      | Qty. |                                   | Cat. No.         | Qty. |  |  |  |  |
|                                   | <b>018542</b> | 10   |                                   | <b>128792**</b>  | 5    |  |  |  |  |
|                                   |               |      |                                   | <b>128802***</b> | 5    |  |  |  |  |
| Type                              | Cat. No.      | Qty. | Type                              | Cat. No.         | Qty. |  |  |  |  |
| EP 2 (2)                          | <b>020530</b> | 10   | EP 2 (2)                          | <b>020530</b>    | 10   |  |  |  |  |
| EP 2 (2)                          | <b>020540</b> | 10   | EP 2 (2)                          | <b>020540</b>    | 10   |  |  |  |  |
| TW 2 (2)                          | <b>017710</b> | 10   | TW 2 (2)                          | <b>017710</b>    | 10   |  |  |  |  |
| TW 2 (2)                          | <b>017990</b> | 10   | TW 2 (2)                          | <b>017990</b>    | 10   |  |  |  |  |
| QL 2                              | <b>026440</b> | 5    | QL 2                              | <b>019400</b>    | 5    |  |  |  |  |
| QL 3                              | <b>040800</b> | 5    | QL 3                              | <b>044150</b>    | 5    |  |  |  |  |
| QL 4                              | <b>024740</b> | 5    | QL 4                              | <b>044160</b>    | 5    |  |  |  |  |
|                                   |               |      | AH 46                             | <b>032696</b>    | 5    |  |  |  |  |
| FW 5                              | <b>047346</b> | -    | FW 5                              | <b>047346</b>    | -    |  |  |  |  |
| FS 5                              | <b>047356</b> | -    | FS 5                              | <b>047356</b>    | -    |  |  |  |  |

\*\* Suitable for connection of 1 aluminium conductor of max. 185 mm<sup>2</sup>

\*\*\* Suitable for connection of 2 aluminium conductors of max. 185 mm<sup>2</sup>

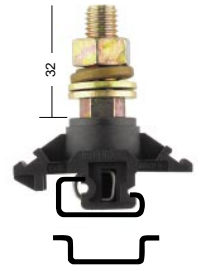
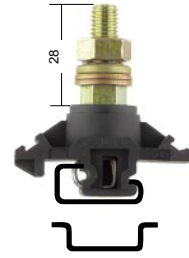
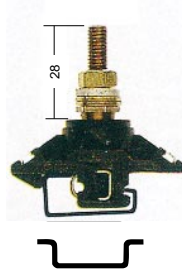
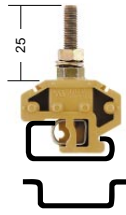
**Stud terminals**

**SS 6**



**SS 8**

**SS 10**

**SS 12**



**Dimensions**

Width / length / height (mm) with TS 32   
 Width / length / height (mm) with TS 35 x 7,5   
 Insulation stripping length/clamping screw/screwdriver blade

**Rated data**

Rated voltage / current / cross-section\*  
 Rated impulse voltage / pollution severity

**Further technical data**

Tightening torque range Nm  
 Torque setting with DMS 2 electric screwdriver

**Clampable conductor**



solid H07V-U mm<sup>2</sup>  
 stranded H07V-R mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
 Plug gauge according to 947-1 Size

Continuous current of terminal block for conductor size  
 Continuous current rating of cross-connection 2...5-pole A  
 Continuous current rating of cross-connection 6...10-pole A

**UL / CSA rated data**

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

**Ordering data**

Version  Qty.  Qty.  
 KrG  
 PA GF  
 PA  
 PPO  
 KrG  
 for TS 35 x 7.5 PA  
 for TS 35 x 15/ 2.3 PA

18/40/62  
 18/49,5/54,5



-/M 6/-

400 V<sup>1</sup>/76 A/16 mm<sup>2</sup>  
 6 kV/3

3...6

82 A/16 mm<sup>2</sup>

600 V/85 A/12...4 AWG  
 600 V/65 A/6 AWG

 Qty.  Qty.  
 KrG **049822** 10 **064982** 10

PA GF



36/60/68  
 36,5/60/68

-/M 8/-

1000 V<sup>1</sup>/125 A/35 mm<sup>2</sup>

6...12

135 A/35 mm<sup>2</sup>

 Qty.  Qty.  
 KrG **049810** 10 **133190** 10

PA GF



36/60/68  
 36,5/60/68

-/M 10/-

1000V<sup>1</sup>/192 A/70 mm<sup>2</sup>

10...20

207A/70 mm<sup>2</sup>

 Qty.  Qty.  
 KrG **048490** 10 **133200** 10

PA GF



36/60/72  
 36,5/60/72

-/M 12/-

1000 V<sup>1</sup>/232 A/95 mm<sup>2</sup>

14...31

250 A/95 mm<sup>2</sup>

 Qty.  Qty.  
 KrG **049830** 10 **133210** 10

PA GF

**End plate, Hard paper (thickness mm)**

PA  
 PPO



Type Cat. No. Qty.

PA AP/TW (2) **133320** 10  
 PPO

Type Cat. No. Qty.

PA AP/TW (2) **133320** 10  
 PPO

Type Cat. No. Qty.

PA AP/TW (2) **133320** 10  
 PPO

Type Cat. No. Qty.

PA AP/TW (2) **133320** 10  
 PPO

**Partition, Hard paper (thickness mm)**

KrG  
 PA  
 PPO




TW HGW

TW

KrG TW HGW (2) **060710** 20


PA TW (2)  **045586** 10

PPO TW (2)  **133320** 10

KrG TW (2)  **045586** 10


PA TW (2)  **133320** 10

PPO

KrG TW (2)  **045586** 10

PA TW (2)  **133320** 10

PPO

KrG TW (2)  **045586** 10

PA TW (2)  **133320** 10

PPO

**Cross-connection**

2-pole QL 2 **028430** 5  
 3-pole QL 3 **027300** 5  
 4-pole QL 4 on request



QL 2 **134620** 5

QL 3 **157885** 5

QL 4 on request

QL 2 **134620** 5

QL 3 **157885** 5

QL 4 on request

QL 2 **134620** 5

QL 3 **157885** 5

QL 4 on request

QL 2 **134600** 5

QL 3 on request

QL 4 on request

**Cover**



**Marking tags**

Print  
 Consecutive horizontal  
 Consecutive vertical

FW 5 **047346** -  
 FS 5 **047356** -

Print  
 Consecutive horizontal  
 Consecutive vertical

FW 5 **047346** -  
 FS 5 **047356** -

Print  
 Consecutive horizontal  
 Consecutive vertical

FW 5 **047346** -  
 FS 5 **047356** -

Print  
 Consecutive horizontal  
 Consecutive vertical

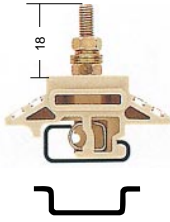
FW 5 **047346** -  
 FS 5 **047356** -

For further accessories see section 3, further marking material see section 8

\* Dependent on cable lug

) with partition

**KST 5**



|   |
|---|
| 24/60/59,5                                    |
| 24/62,5/54                                    |
| -/M 5/-                                       |
| 1000 V <sup>1)</sup> /57 A/10 mm <sup>2</sup> |
| 8 kV/3  |
| 2...4   |

65 A/10 mm<sup>2</sup>

600 V/50 A/12...6 AWG

Qty. Qty.

**950337** 25

**950823** 25

**952830** 25

Type Cat. No. Qty.

TW/KST (2) **950139** 10

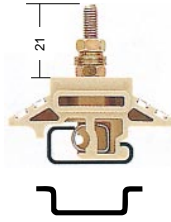
QL 2 **950339** 1

FW 5 **047346** -

FS 5 **047356** -

<sup>1)</sup> with partition

**KST 6**



|   |
|---|
| 24/60/59,5                                    |
| 24/62,5/54                                    |
| -/M 6/-                                       |
| 1000 V <sup>1)</sup> /76 A/16 mm <sup>2</sup> |
| 8 kV/3  |
| 3...6   |

82 A/16 mm<sup>2</sup>

600 V/65 A/12...6 AWG

Qty. Qty.

**950131** 25

**950694** 25

**952831** 25

Type Cat. No. Qty.

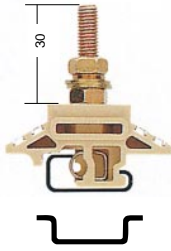
TW/KST (2) **950139** 10

QL 2 **950135** 5

FW 5 **047346** -

FS 5 **047356** -

**KST 8**



|  |
|--|
| 24/60/69,5                                     |
| 24/62,5/54                                     |
| -/M 8/-  |
| 1000 V <sup>1)</sup> /125 A/35 mm <sup>2</sup> |
| 8 kV/3   |
| 6...12   |

135 A/35 mm<sup>2</sup>

600 V/115 A/12...2 AWG

Qty. Qty.

**950132** 25

**950695** 25

**952832** 25

Type Cat. No. Qty.

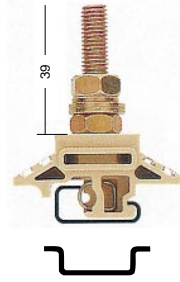
TW KST (2) **950139** 10

QL 2 **950136** 1

FW 5 **047346** -

FS 5 **047356** -

**KST 10**



|  |
|--|
| 34/60/79,5                                     |
| 34/62,5/74                                     |
| -/M 10/-                                       |
| 1000 V <sup>1)</sup> /192 A/70 mm <sup>2</sup> |
| 8 kV/3   |
| 10...20  |

207 A/70 mm<sup>2</sup>

600 V/175 A/12...2/0

Qty. Qty.

**950133** 20

**950696** 20

**952833** 20

Type Cat. No. Qty.

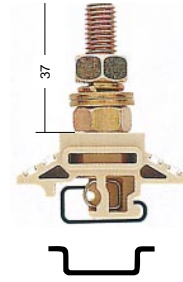
TW KST (2) **950139** 10

QL 2 **950137** 1

FW 5 **047346** -

FS 5 **047356** -

**KST 12**



|  |
|--|
| 34/60/79,5                                     |
| 34/62,5/74                                     |
| -/M 12/-                                       |
| 1000 V <sup>1)</sup> /232 A/95 mm <sup>2</sup> |
| 8 kV/3   |
| 14...31  |

250 A/95 mm<sup>2</sup>

600 V/200 A/12...3/0

Qty. Qty.

**950134** 20

**950697** 20

**952834** 20

Type Cat. No. Qty.

TW KST (2) **950139** 10

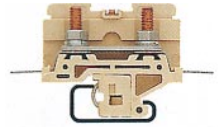
QL 2 **950138** 1

FW 5 **047346** -

FS 5 **047356** -

**ST 5**  
without  
solder  
connection

**STSL 5**  
with  
solder  
connection<sup>3)</sup>



|                               |
|-------------------------------|
| 16,3/52 <sup>2)</sup> /45,5   |
| -/M 5/-                       |
| 750 V/76 A/16 mm <sup>2</sup> |
| 8 kV/3                        |
| 2...4                         |

85 A/16 mm<sup>2</sup>

600 V/65 A/12...10 AWG

Qty. Qty.

**ST 5** **STSL 5**

**044836** 1 **046286** 1

**044834** 1 **046284** 1

Type Cat. No. Qty.

AP (1,5) **044724** 1

TW (1,5) **047766** 1

TW (1,5) **047764** 1

QL 2 **383430** 1

**044770** 1

FW 6 **046866** -

FS 6 **046876** -

<sup>2)</sup> Width with soldering tag 76.5 mm  
<sup>3)</sup> Soldering connection 2.5 mm<sup>2</sup> (illustrated)

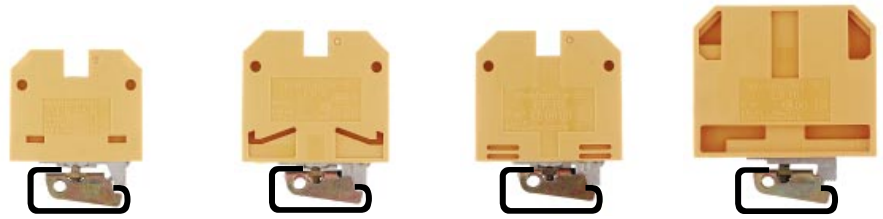
**PE terminals**

**EK 2.5 N**


**EK 4**

**EK 10**

**EK 16**



**Dimensions**

|  |  |                       |                     |                     |                     |
|--|--|-----------------------|---------------------|---------------------|---------------------|
| Width / length / height (mm)                                 | with TS 32  | 6/36.5/49.5           | 8/40/51.5           | 10/40/51.5          | 12/50/57.5          |
| Insulation stripping length/clamping screw/screwdriver blade |  | 10 mm/M 2,5/3,5 x 0,6 | 12 mm/M 3/3,5 x 0,6 | 12 mm/M 6/5,5 x 1,0 | 16 mm/M 4/5,5 x 1,0 |

**Rated data IEC 947-7-2**

|   |  |                         |                       |                        |                        |
|---|--|-------------------------|-----------------------|------------------------|------------------------|
| Rated voltage/current for PEN/cross-section |  | -/-/2.5 mm <sup>2</sup> | -/-/4 mm <sup>2</sup> | -/-/10 mm <sup>2</sup> | -/-/16 mm <sup>2</sup> |
|---|--|-------------------------|-----------------------|------------------------|------------------------|

Rated voltage/impulse voltage VDE  
0110/1.89/pollution severity





**Further technical data**

|  |    |                      |                      |                      |                      |
|--|----|----------------------|----------------------|----------------------|----------------------|
| Tightening torque range                        | Nm | 0,4...0,8/0,5...1,0* | 0,5...1,0/0,5...1,0* | 1,2...2,0/0,5...1,0* | 1,2...2,4/0,8...1,0* |
| Torque setting with DMS 2 electric screwdriver |    | 1/2                  | 2/2                  | 4/2                  | 4/3                  |

**Clampable conductor**

|                                      |                 |           |         |          |          |
|--------------------------------------|-----------------|-----------|---------|----------|----------|
| solid H07V-U                         | mm <sup>2</sup> | 0.5...4   | 0.5...6 | 0.5...10 | 2.5...16 |
| stranded H07V-R                      | mm <sup>2</sup> | 0.5...1,5 | 0.5...4 | 1,5...6  | 2,5...16 |
| flexible H07V-K                      | mm <sup>2</sup> | 0.5...4   | 0.5...4 | 0.5...10 | 2,5...16 |
| flexible H07V-K and AEH DIN 46 228/1 | mm <sup>2</sup> | 0.5...2.5 | 0.5...4 | 0.5...10 | 4...16   |
| Cable AWG                            | Nr.             | 22...14   | 22...10 | 20...8   | 12...6   |
| Plug gauge according to 947-1        | Size            | A 3       | A 4     | B 6      | B 6      |

**Ordering data**

|                 |   |               |      |   |               |      |   |               |      |   |               |      |
|-----------------|---|---------------|------|---|---------------|------|---|---------------|------|---|---------------|------|
| Version         |  | Cat. No.      | Qty. |  | Cat. No.      | Qty. |  | Cat. No.      | Qty. |  | Cat. No.      | Qty. |
| Green/yellow PA |   | <b>047436</b> | 100  |   | <b>035456</b> | 100  |   | <b>035466</b> | 80   |   | <b>037466</b> | 50   |

Blank  
Two clamping yokes blank  
Hexagon socket blank

**Support block**



For insulation of mounting rails  
in insulated-earth installations

|      |               |      |      |               |      |      |               |      |      |               |      |
|------|---------------|------|------|---------------|------|------|---------------|------|------|---------------|------|
| Type | Cat. No.      | Qty. | Type | Cat. No.      | Qty. | Type | Cat. No.      | Qty. | Type | Cat. No.      | Qty. |
| SH 2 | <b>049492</b> | 10   | SH 2 | <b>049492</b> | 10   | SH 2 | <b>049492</b> | 10   | SH 2 | <b>049492</b> | 10   |

**Marking material**

|  |   |   |   |   |   |   |                        |      |               |   |        |               |   |      |               |   |      |               |   |
|--|---|---|---|---|---|---|------------------------|------|---------------|---|--------|---------------|---|------|---------------|---|------|---------------|---|
|  | 1 | 2 | 3 | 4 | 5 | 6 | Consecutive horizontal | FW 6 | <b>046866</b> | - | FW 6.5 | <b>046816</b> | - | FW 5 | <b>047346</b> | - | FW 5 | <b>047346</b> | - |
|  |   |   |   |   |   |   | Consecutive vertical   | FS 6 | <b>046876</b> | - | FS 6.5 | <b>046826</b> | - | FS 5 | <b>047356</b> | - | FS 5 | <b>047356</b> | - |

For further accessories see section 3, further marking material see section 8

\* For centre screw

**EK 35**



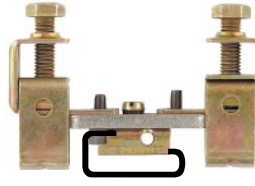
**EK 2**



**SAKE 35**



**SAKE 70**



18/58/67.5  
20 mm/M 6/6,5 x 1,2

-/-/35 mm<sup>2</sup>

2,5...5,0/1,2...1,6\*  
-/3

6...16

16...50

10...35

10...35

10...2

B 9

| Type | Cat. No.      | Qty. |
|------|---------------|------|
|      | <b>035476</b> | 20   |

10/52/38  
14 mm/M 5/-

-/-/10

1,2...2,4/2,0...4,0\*

1,5...10

1,5...10

1,5...10

1,5...10

16...8

B 6

| Type | Cat. No.      | Qty. |
|------|---------------|------|
|      | <b>032310</b> | 20   |

14/46/39  
16 mm/M 6/-

-/-/35 mm<sup>2</sup>

2,5...5,0/2,0...4,0\*

6...35

6...35

6...16

10...35

8...2

B 8

| Type              | Cat. No.      | Qty. |
|-------------------|---------------|------|
|                   | <b>014440</b> | 20   |
| one clamping yoke |               |      |

18/94/59,5  
25 mm/M 8/-

-/-/70 mm<sup>2</sup>

6,0...12/2,0...4,0\*

10...70\*\*

10...70

10...70

10...70

6...0

B 10

| Type | Cat. No.      | Qty. |
|------|---------------|------|
|      | <b>021320</b> | 20   |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| SH 2 | <b>049492</b> | 10   |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      |          |      |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| SH 2 | <b>049492</b> | 10   |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| SH 2 | <b>049492</b> | 10   |

|      |               |   |
|------|---------------|---|
| FW 5 | <b>047346</b> | - |
| FS 5 | <b>047356</b> | - |

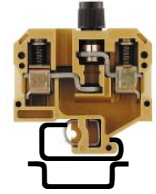
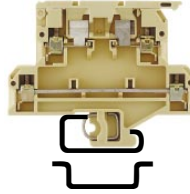
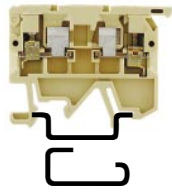
Fuse terminals

ASK 1

KDKS 1  
KDKS 1/35

SAKS 1  
SAKS 1/35

SAKS 1/G25  
SAKS 1/35/G25



for fuse inserts

5 x 20 without indicator

5 x 20 without indicator

5 x 20 without indicator

5 x 20 with indicator

Dimensions

|  |                  |
|--|------------------|
| Width / length / height (mm)                                 | with TS 32       |
| Width / length / height (mm)                                 | with TS 35 x 7,5 |
| Insulation stripping length/clamping screw/screwdriver blade |                  |

Rated data / feed-through-terminal base

|  |                                  |
|--|----------------------------------|
| Rated voltage / current / cross-section                | 500 V AC/6.3 A/4 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity | 6 kV/3                           |

Further technical data

|  |    |           |
|--|----|-----------|
| Tightening torque range                        | Nm | 0,5...1,0 |
| Torque setting with DMS 2 electric screwdriver |    | 2         |

Clampable conductor

|   |                 |               |
|---|-----------------|---------------|
| solid H07V-U  | mm <sup>2</sup> | 0,5...4       |
| stranded H07V-R   | mm <sup>2</sup> | 1,5...4       |
| flexible H07V-K   | mm <sup>2</sup> | 0,5...4       |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> | 0,5...4       |
| Plug gauge according to 947-1                             | Size            | A 4           |
| Continuous current rating of cross-connection 2...5-pole  | A               | (QB 2...4) 10 |
| Continuous current rating of cross-connection 6...10-pole | A               |               |

|                                  |
|----------------------------------|
| 8/58/45.5                        |
| 8/58/44                          |
| 9 mm/M 3/3,5 x 0,6               |
| 500 V AC/6.3 A/4 mm <sup>2</sup> |
| 6 kV/3                           |
| 0,5...1,0                        |
| 2                                |
| 0,5...4                          |
| 1,5...4                          |
| 0,5...4                          |
| 0,5...4                          |
| A 4                              |
| (QB 2...4) 10                    |

|                                |
|--------------------------------|
| 8/73,5/59,8                    |
| 8/73,5/55,7                    |
| 9 mm/M 3/3,5 x 0,6             |
| 500 V~/6,3 A/4 mm <sup>2</sup> |
| 6 kV/3                         |
| 0,5...1,0                      |
| 2                              |
| 0,5...4                        |
| 0,5...4                        |
| 0,5...4                        |
| A 4                            |
| (QB 2...4) 10                  |

|                                |
|--------------------------------|
| 13/54/61                       |
| 13/54/54                       |
| 12 mm/M 4/5,5 x 1,0            |
| 500 V~/10 A/10 mm <sup>2</sup> |
| 6 kV/3                         |
| 1,2...2,4                      |
| 4                              |
| 0,5...16                       |
| 1,5...10                       |
| 0,5...10                       |
| 0,5...10                       |
| B 6                            |
| (QL 2...5) 47                  |
| (QL 6...10) 36                 |

|                                |
|--------------------------------|
| 13/54/61                       |
| 13/54/54                       |
| 12 mm/M 4/5,5 x 1,0            |
| 500 V~/10 A/10 mm <sup>2</sup> |
| 6 kV/3                         |
| 1,2...2,4                      |
| 4                              |
| 0,5...16                       |
| 1,5...10                       |
| 0,5...10                       |
| 0,5...10                       |
| B 6                            |
| (QL 2...5) 47                  |
| (QL 6...10) 36                 |

UL / CSA rated data

|                                    |     |                         |
|------------------------------------|-----|-------------------------|
| Voltage / current / conductor size | UL  | 300 V/6.3 A/12 max. AWG |
| Voltage / current / conductor size | CSA | 300 V/6.3 A/26...12 AWG |

Ordering data

|         |  |               |      |
|---------|--|---------------|------|
| Version |  | Best.-Nr.     | Qty. |
|         |  | <b>047456</b> | 100  |

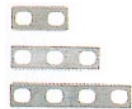
|  |  |               |    |
|--|--|---------------|----|
|  |  | Qty.          |    |
|  |  | <b>950330</b> | 50 |
|  |  | Qty.          |    |
|  |  | <b>950331</b> | 50 |

|  |  |               |    |
|--|--|---------------|----|
|  |  | Qty.          |    |
|  |  | <b>019122</b> | 20 |
|  |  | Qty.          |    |
|  |  | <b>050160</b> | 20 |
|  |  | Qty.          |    |
|  |  | <b>050162</b> | 20 |

|  |  |               |    |
|--|--|---------------|----|
|  |  | Qty.          |    |
|  |  | <b>019112</b> | 20 |
|  |  | Qty.          |    |
|  |  | <b>050150</b> | 20 |
|  |  | Qty.          |    |
|  |  | <b>050152</b> | 20 |

|  |  |               |    |
|--|--|---------------|----|
|  |  | Qty.          |    |
|  |  | <b>019112</b> | 20 |
|  |  | Qty.          |    |
|  |  | <b>050152</b> | 20 |

Cross-connections



Fixing screw for Cross-connections

|            |               |
|------------|---------------|
| QL 2       | <b>019140</b> |
| QL 3       | <b>019150</b> |
| QL 4       | <b>019160</b> |
| QL 10      | <b>033880</b> |
| BS (M 3x6) | <b>034620</b> |

End plate / partition (thickness mm)



| Type     | Cat. No.      | Qty. |
|----------|---------------|------|
| AP (1.5) | <b>038036</b> | 20   |

| Type          | Cat. No.      | Qty. |
|---------------|---------------|------|
| AP 1 KDKS for | <b>950333</b> | 25   |
| TW (2,0)      | <b>060700</b> | 20   |

| Type        | Cat. No.      | Qty. |
|-------------|---------------|------|
| AP (2,5)    | <b>019132</b> | 20   |
| Wemid-beige | <b>019130</b> |      |
| for         |               |      |
| TW (2,0)    | <b>060700</b> | 20   |

| Type        | Cat. No.      | Qty. |
|-------------|---------------|------|
| AP (2,5)    | <b>019132</b> | 20   |
| Wemid-beige | <b>019130</b> |      |
| for         |               |      |
| TW (2,0)    | <b>060700</b> | 20   |

G fuse inserts 5 x 20 mm

|                              |                              |                  |
|------------------------------|------------------------------|------------------|
| to DIN 41660 IEC 127 BL 1    | Rated current (A): 0.10 fast |                  |
| Rated voltage 250 V~         | 0.20 fast                    | <b>043040</b> 10 |
| Switching capacity 1500 A    | 0.25 fast                    | <b>043050</b> 10 |
| (at 250 V, 50 Hz, cos = 0.7) | 0.50 fast                    | <b>043060</b> 10 |
|                              | 1.0 fast                     | <b>043070</b> 10 |
|                              | 1.6 fast                     | <b>043080</b> 10 |
|                              | 2.0 fast                     | <b>043090</b> 10 |
|                              | 2.5 fast                     | <b>043100</b> 10 |

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Screw cap/disconnect lever (spare)

Red pull lever

|      |               |     |
|------|---------------|-----|
| TH   | <b>037706</b> | 100 |
| SIHA | <b>159302</b> | 100 |

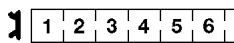
|      |               |     |
|------|---------------|-----|
| TH   | <b>037706</b> | 100 |
| SIHA | <b>159302</b> | 100 |

More fuse cartridges see Page 2/93

|             |               |    |
|-------------|---------------|----|
| SK (5 x 20) | <b>028210</b> | 20 |
|-------------|---------------|----|

|             |               |    |
|-------------|---------------|----|
| SK (5 x 25) | <b>028200</b> | 20 |
|-------------|---------------|----|

Marking tags



Consecutive horizontal  
Consecutive vertical

|      |               |   |
|------|---------------|---|
| FW 8 | <b>127696</b> | - |
| FS 8 | <b>128966</b> | - |

|      |               |   |
|------|---------------|---|
| FW 8 | <b>127696</b> | - |
| FS 8 | <b>128966</b> | - |

|      |               |   |
|------|---------------|---|
| FW 5 | <b>047346</b> | - |
| FS 5 | <b>047356</b> | - |

|      |               |   |
|------|---------------|---|
| FW 5 | <b>047346</b> | - |
| FS 5 | <b>047356</b> | - |

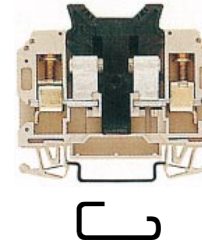
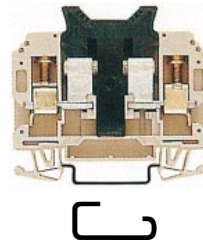
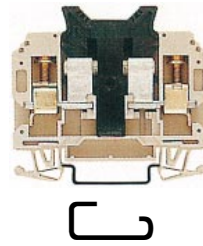
For further accessories see section 3, further marking material see section 8

## Fuse terminals

### KSKM 1

### KSKM 2

### KSKM 3



#### Dimensions

|  |                  |           |
|--|------------------|-----------|
| Width / length / height (mm)                                 | with TS 32       | 13/69/62  |
| Width / length / height (mm)                                 | with TS 35 x 7,5 | 13/69/63  |
| Insulation stripping length/clamping screw/screwdriver blade |                  | 12 mm/-/- |

#### Rated data / feed-through-terminal base

|  |  |
|--|--|
| Rated voltage / current / cross-section                | 250 V~/6,3 A <sup>1)</sup> /10 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity |  |

#### Further technical data

|  |    |
|--|----|
| Tightening torque range                        | Nm |
| Torque setting with DMS 2 electric screwdriver |    |


#### Clampable conductor

|   |                 |          |
|---|-----------------|----------|
| solid H07V-U  | mm <sup>2</sup> | 0,5...16 |
| stranded H07V-R   | mm <sup>2</sup> |          |
| flexible H07V-K   | mm <sup>2</sup> | 0,5...10 |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> |          |
| Plug gauge according to 947-1                             | Size            | B 6      |
| Continuous current rating of cross-connection 2...5-pole  | A               |          |
| Continuous current rating of cross-connection 6...10-pole | A               |          |

#### UL / CSA rated data

|                                    |     |                       |
|------------------------------------|-----|-----------------------|
| Voltage / current / conductor size | UL  | 600 V/10 A/22...8 AWG |
| Voltage / current / conductor size | CSA |                       |

#### Ordering data

| Version  | Qty.  | VP        |
|--|-------|-----------|
|  950957 | 20    | 950960 20 |
| Wemid  | Wemid |           |
| 24 V~  |       |           |
| 24 V~  |       |           |
| 24 V=  |       |           |
| 48 V~  |       |           |
| 48 V~  |       |           |
| 48 V=  |       |           |
| 40-50 V~   |       |           |
| 40-50 V~   |       |           |
| 100 V~   |       |           |
| 100 V=   |       |           |
| 125 V~   |       |           |
| 220 V~   |       |           |
| 250 V~   |       |           |
| 250 V=   |       |           |

#### End plate / partition (thickness mm)



| Type   | Cat. No. | Qty. |
|--------|----------|------|
| AP (3) | 950963   | 20   |

| Type   | Cat. No. | Qty. |
|--------|----------|------|
| AP (3) | 950963   | 20   |

| Type   | Cat. No. | Qty. |
|--------|----------|------|
| AP (3) | 950963   | 20   |

#### G fuse inserts 5 x 20 mm

| Rated current (A): | Rated voltage 250 V~ | fast Switching capacity 1500 A (at 250 V, 50 Hz, cos = 0.7) |           |
|--------------------|----------------------|---|-----------|
| 0,2 fast           |                      |   | 043040 10 |
| 0,25 fast          |                      |   | 043050 10 |
| 0,5 fast           |                      |   | 043060 10 |
| 0,63 fast          |                      |   | 043900 10 |
| 1,0 fast           |                      |   | 043070 10 |
| 1,6 fast           |                      |   | 043080 10 |
| 2,0 fast           |                      |   | 043090 10 |
| 2,5 fast           |                      |   | 043100 10 |
| 3,15 fast          |                      |   | 043110 10 |
| 4,0 fast           |                      |   | 043120 10 |
| 5,0 fast           |                      |   | 043130 10 |
| 6,3 fast           |                      |   | 043140 10 |

| 11/4 x 1/4" |           |
|-------------|-----------|
| E 2 A       | 029450 10 |
| E 3 A       | 029570 10 |
| E 5 A       | 029460 10 |
| E 7 A       | 029580 10 |
| E 10 A      | 029390 10 |

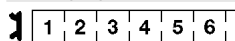
#### Screw cap/disconnect lever (spare)

|                |            |        |    |
|----------------|------------|--------|----|
| Contact sleeve | 5 x 20 SBL | 044610 | 40 |
|----------------|------------|--------|----|

|                |              |        |    |
|----------------|--------------|--------|----|
| Contact sleeve | 1 x 1/4" SBL | 044620 | 40 |
|----------------|--------------|--------|----|

|                |                  |        |    |
|----------------|------------------|--------|----|
| Contact sleeve | 1 1/4 x 1/4" SBL | 044630 | 40 |
|----------------|------------------|--------|----|

#### Marking tags



| Print                  |      |          |
|------------------------|------|----------|
| Consecutive horizontal | FW 5 | 047346 - |
| Consecutive vertical   | FS 5 | 047356 - |

| Print                  |      |          |
|------------------------|------|----------|
| Consecutive horizontal | FW 5 | 047346 - |
| Consecutive vertical   | FS 5 | 047356 - |

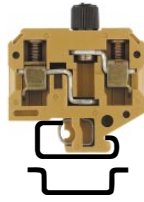
| Print                  |      |          |
|------------------------|------|----------|
| Consecutive horizontal | FW 5 | 047346 - |
| Consecutive vertical   | FS 5 | 047356 - |

For further accessories see section 3, further marking material see section 8

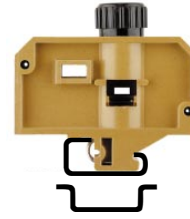
<sup>1)</sup> Max. fuse rating i.a.w DIN 41660, IEC 127 CEE4 Type 1  
<sup>2)</sup> Fuses according to BS 1362

## Fuse terminals

### SAKS 3 SAKS 3/35



### SAKS 4 SAKS 4/35



### SAKS 5 SAKS 5/35



#### Dimensions

|  |                   |
|--|-------------------|
| Width / length / height (mm)                                 | with TS 32        |
| Width / length / height (mm)                                 | with TS 35 x 7,5  |
| Insulation stripping length/clamping screw/screwdriver blade | 12 mm/M 4/5,5 x 1 |

#### Rated data terminal base

|  |                                  |
|--|----------------------------------|
| Rated voltage / current / cross-section                | 500 V AC/10 A/10 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity | 6 kV/3                           |

#### Further technical data

|  |    |           |
|--|----|-----------|
| Tightening torque range                        | Nm | 1,2...2,4 |
| Torque setting with DMS 2 electric screwdriver |    | 4         |

#### Clampable conductor

|   |                 |                |
|---|-----------------|----------------|
| solid H07V-U  | mm <sup>2</sup> | 0,5...16       |
| stranded H07V-R   | mm <sup>2</sup> | 1,5...10       |
| flexible H07V-K   | mm <sup>2</sup> | 0,5...10       |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> | 0,5...10       |
| Plug gauge according to 947-1                             | Size            | B 6            |
| Continuous current rating of cross-connection 2...5-pole  | A               | (QL 2...5) 47  |
| Continuous current rating of cross-connection 6...10-pole | A               | (QL 6...10) 36 |

#### UL / CSA rated data

|                                    |     |                        |
|------------------------------------|-----|------------------------|
| Voltage / current / conductor size | UL  | 300 V/10 A/22...10 AWG |
| Voltage / current / conductor size | CSA | 600 V/10 A/22...10 AWG |

#### Ordering data

|         |  |      |  |      |
|---------|--|------|--|------|
| Version |  | Qty. |  | Qty. |
|---------|--|------|--|------|

|          |
|----------|
| 13/54/61 |
| 13/54/55 |

|          |
|----------|
| 24/75/73 |
| 24/75/66 |

|            |
|------------|
| 28/80/80,5 |
| 28/80/66   |

|                   |
|-------------------|
| 12 mm/M 4/5,5 x 1 |
|-------------------|

|                   |
|-------------------|
| 14 mm/M 4/5,5 x 1 |
|-------------------|

|                   |
|-------------------|
| 13 mm/M 4/5,5 x 1 |
|-------------------|

|                                  |
|----------------------------------|
| 500 V AC/10 A/10 mm <sup>2</sup> |
| 6 kV/3                           |

|                                |
|--------------------------------|
| 400 V~/16 A/10 mm <sup>2</sup> |
| 6 kV/3                         |

|                                  |
|----------------------------------|
| 400 V~/63 A**/16 mm <sup>2</sup> |
| 6 kV/3                           |

|    |           |
|----|-----------|
| Nm | 1,2...2,4 |
|    | 4         |

|    |           |
|----|-----------|
| Nm | 1,2...2,4 |
|    | 4         |

|    |           |
|----|-----------|
| Nm | 1,2...2,4 |
|    | 4         |

|                 |                |
|-----------------|----------------|
| mm <sup>2</sup> | 0,5...16       |
| mm <sup>2</sup> | 1,5...10       |
| mm <sup>2</sup> | 0,5...10       |
| mm <sup>2</sup> | 0,5...10       |
| Size            | B 6            |
| A               | (QL 2...5) 47  |
| A               | (QL 6...10) 36 |

|                 |                |
|-----------------|----------------|
| mm <sup>2</sup> | 0,5...16       |
| mm <sup>2</sup> | 1,5...10       |
| mm <sup>2</sup> | 0,5...10       |
| mm <sup>2</sup> | 0,5...10       |
| Size            | B 6            |
| A               | (QL 2...5) 47  |
| A               | (QL 6...10) 36 |

|                 |                |
|-----------------|----------------|
| mm <sup>2</sup> | 1,5...16       |
| mm <sup>2</sup> | 1,5...16       |
| mm <sup>2</sup> | 1,5...16       |
| mm <sup>2</sup> | 1,5...16       |
| Size            | B 7            |
| A               | (QL 2...5) 47  |
| A               | (QL 6...10) 36 |

|     |                        |
|-----|------------------------|
| UL  | 300 V/10 A/22...10 AWG |
| CSA | 600 V/10 A/22...10 AWG |

|    |                       |
|----|-----------------------|
| UL | 600 V/30 A/22...8 AWG |
|----|-----------------------|

|    |                       |
|----|-----------------------|
| UL | 600 V/63 A/14...6 AWG |
|----|-----------------------|

|         |  |      |  |      |
|---------|--|------|--|------|
| Version |  | Qty. |  | Qty. |
|---------|--|------|--|------|

|         |  |      |  |      |
|---------|--|------|--|------|
| Version |  | Qty. |  | Qty. |
|---------|--|------|--|------|

|         |  |      |  |      |
|---------|--|------|--|------|
| Version |  | Qty. |  | Qty. |
|---------|--|------|--|------|

|                      |    |                      |    |
|----------------------|----|----------------------|----|
| 024892 <sup>3)</sup> | 20 | 066752 <sup>3)</sup> | 20 |
| 029752 <sup>4)</sup> | 20 | 032892 <sup>4)</sup> | 20 |

|        |    |        |    |
|--------|----|--------|----|
| 032132 | 20 | 050182 | 20 |
| 050180 | 20 |        |    |

|        |    |        |    |
|--------|----|--------|----|
| 035942 | 20 | 050212 | 20 |
| 050210 | 20 |        |    |

Wemid colours

#### End plate/partition (thickness mm)

|    |          |          |      |
|----|----------|----------|------|
| PA | Type     | Cat. No. | Qty. |
| HP | AP (2.5) | 019132   |      |
|    | for      |          |      |
|    | TW (2.0) | 060700   |      |

#### Cross-connections

|       |        |
|-------|--------|
| QL 2  | 019140 |
| QL 3  | 019150 |
| QL 4  | 019160 |
| QL 10 | 033880 |

|       |        |    |
|-------|--------|----|
| QL 2  | 032800 | 20 |
| QL 3  | 032810 | 20 |
| QL 4  | 032820 | 20 |
| QL 10 | 033900 | 20 |

|       |        |    |
|-------|--------|----|
| QL 2  | 020780 | 20 |
| QL 3  | 020790 | 20 |
| QL 4  | 020800 | 20 |
| QL 10 | 033890 | 20 |

Fixing screws  
for Cross-connections

#### Fuse inserts

|                            |                      |                 |
|----------------------------|----------------------|-----------------|
| 1 1/4" x 1/4"              | Nominal current (A): | 0.5 high-speed  |
| according to DEF 63/size 0 |                      | 1.0 high-speed  |
| without indicator          |                      | 2.0 high-speed  |
|                            |                      | 3.0 high-speed  |
|                            |                      | 5.0 high-speed  |
|                            |                      | 7.0 high-speed  |
|                            |                      | 10.0 high-speed |

#### G fuse inserts 5 x 30 mm

|   |          |
|---|----------|
| (500 V~/0.032...6.3 A).                     | 2.0 fast |
| Available from Wickmann-Werke GmbH,         | 4.0 fast |
| Annstr. 113, 5810 Witten 6, Tel. 02302/6620 | 5.0 fast |
| Brass insert                                | 6.3 fast |

#### D fuse inserts

|            |        |
|------------|--------|
| BS (M 3x6) | 034620 |
| E 0,5 A    | 053380 |
| E 1 A      | 052550 |
| E 2 A      | 029450 |
| E 3 A      | 029570 |
| E 5 A      | 029460 |
| E 7 A      | 029580 |
| E 10 A     | 029390 |

| Gauge piece | Amp. | Colour  |
|-------------|------|---------|
|             | 2    | rosa    |
|             | 4    | braun   |
|             | 6    | grün    |
|             | 10   | rot     |
|             | 20   | blue    |
|             | 25   | gelb    |
|             | 35   | schwarz |
|             | 50   | weiß    |
|             | 10   | rot     |
|             | 16   | grey    |
|             | 20   | blue    |

|             |        |     |
|-------------|--------|-----|
| SS M 4      | 013640 | 100 |
| BS M 4x9    | 010330 | 100 |
| Gauge piece |        |     |
| P 14/2      | 013800 | 50  |
| P 14/4      | 013810 | 50  |
| P 14/6      | 032860 | 50  |
| P 14/10     | 032870 | 50  |

|             |        |     |
|-------------|--------|-----|
| SS M 4      | 013640 | 100 |
| BS M 4x9    | 010330 | 100 |
| Gauge piece |        |     |
| P 18/20     | 036180 | 50  |
| P 18/25     | 036190 | 50  |
| P 18/35     | 036200 | 50  |
| P 18/50     | 036210 | 50  |

|                     |        |    |
|---------------------|--------|----|
| Rated voltage 380 V |        |    |
| E 14/2              | 013740 | 10 |
| E 14/4              | 013750 | 10 |
| E 14/6              | 032830 | 10 |
| E 14/10             | 032840 | 10 |
| E 14/16             | 032850 | 10 |

|                     |        |    |
|---------------------|--------|----|
| Rated voltage 380 V |        |    |
| E 18/20             | 036130 | 10 |
| E 18/25             | 036140 | 10 |
| E 18/35             | 036150 | 10 |
| E 18/50             | 036160 | 10 |
| E 18/63             | 036170 | 10 |

#### Screw cap (spare)

|                   |        |
|-------------------|--------|
| SK (5 x 30)       | 028200 |
| SK (1 1/4 x 1/4") | 042890 |

|    |        |    |
|----|--------|----|
| SK | 033941 | 20 |
|----|--------|----|

|    |        |    |
|----|--------|----|
| SK | 035931 | 20 |
|----|--------|----|

#### Marking tags

|  |                        |   |   |   |   |   |       |
|--|------------------------|---|---|---|---|---|-------|
|  | 1                      | 2 | 3 | 4 | 5 | 6 | Print |
|  | Consecutive horizontal |   |   |   |   |   |       |
|  | vertical Printed       |   |   |   |   |   |       |

|      |        |
|------|--------|
| FW 5 | 047346 |
| FS 5 | 047356 |

|      |        |
|------|--------|
| FW 5 | 047346 |
| FS 5 | 047356 |

|      |        |
|------|--------|
| FW 5 | 047346 |
| FS 5 | 047356 |

For further accessories see section 3, further marking material see section 8

\* For TS 32 only  
\*\* Also for 440 V- with Neozed marine fuse  
\*\*\* Current for overload up to 10 A, for short-circuit up to 25 A

<sup>3)</sup> For fuse inserts 1 1/4 x 1/4" DEF 63  
<sup>4)</sup> For fuse inserts 5 x 30

**SAKS 2**  
**SAKS 2/35**



|  |
|--|
| 28/80/81,5   |
| 28/80/75   |
| 12 mm/M 4/5,5 x 1                                  |
| 500 V~/10 (25) A <sup>*)</sup> /10 mm <sup>2</sup> |
| 6 kV/3   |
| 1,2...2,4  |
| 4  |
| 0,5...16   |
| 0,5...10   |
| 0,5...10   |
| 0,5...10   |
| B 6  |
| (QL 2...5) 47                                      |
| (QL 6...10) 36                                     |

|                                   |
|-----------------------------------|
| 600 V/25 A/22...8 AWG             |
| Qty. Qty.                         |
| <b>020682</b> 20 <b>136872</b> 20 |
| <b>136870</b> 20                  |
| Diazed E 16                       |
| Type Cat. No. Qty.                |
| TW HP (2,0) <b>060700*</b> 20     |

|                        |
|------------------------|
| QL 2 <b>020780</b> 20  |
| QL 3 <b>020790</b> 20  |
| QL 4 <b>020800</b> 20  |
| QL 10 <b>033890</b> 20 |

|                            |
|----------------------------|
| SS M 4 <b>013640</b> 100   |
| BS M 4x9 <b>010330</b> 100 |
| Gauge piece                |

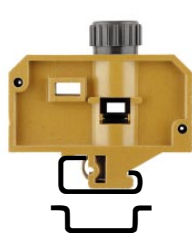
|                           |
|---------------------------|
| P 16/10 <b>020890</b> 100 |
| P 16/16 <b>020900</b> 100 |
| P 16/20 <b>020910</b> 100 |

|                         |
|-------------------------|
| Rated voltage 380 V     |
| E 10 A <b>020850</b> 25 |
| E 16 A <b>020860</b> 25 |
| E 20 A <b>020870</b> 25 |
| E 25 A <b>020880</b> 25 |

|                                   |
|-----------------------------------|
| SK <b>028411</b> 20               |
| SK (with spring) <b>016173</b> 20 |

|                    |
|--------------------|
| FW 5 <b>047346</b> |
| FS 5 <b>047356</b> |

**SAKS 4 USA**  
**SAKS 4 Frankr.**



|                                |
|--------------------------------|
| 24/75/73                       |
| 24/75/66                       |
| 14 mm/M 4/5,5 x 1              |
| 400 V~/30 A/10 mm <sup>2</sup> |
| 6 kV/3                         |
| 1,2...2,4                      |
| 4                              |
| 0,5...16                       |
| 1,5...10                       |
| 0,5...10                       |
| 0,5...10                       |
| B 6                            |
| (QL 2...5) 47                  |
| (QL 6...10) 36                 |

|   |
|---|
| 600 V/30 A/20...8 AWG                                       |
| 600 V/30 A/22...8 AWG                                       |
| Qty. Qty.   |
| <b>032142<sup>1)</sup></b> 20 <b>050202<sup>1)</sup></b> 20 |
| <b>016222<sup>2)</sup></b> 20 <b>017822<sup>2)</sup></b> 20 |
| 10,3 x 38,1   |
| Type Cat. No. Qty.  |
| TW HP (2,0) <b>060700*</b> 20                               |

|                        |
|------------------------|
| QL 2 <b>032800</b> 20  |
| QL 3 <b>032810</b> 20  |
| QL 4 <b>032820</b> 20  |
| QL 10 <b>033900</b> 20 |

|                            |
|----------------------------|
| SS M 4 <b>013640</b> 100   |
| BS M 4x9 <b>010330</b> 100 |

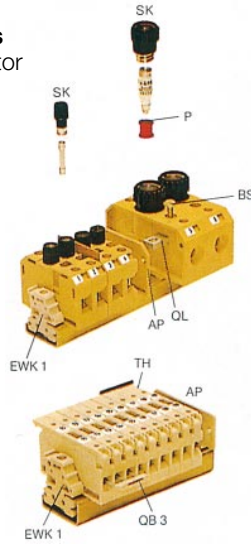
|                           |
|---------------------------|
| P 16/10 <b>020890</b> 100 |
| P 16/16 <b>020900</b> 100 |
| P 16/20 <b>020910</b> 100 |

|                         |
|-------------------------|
| Rated voltage 380 V     |
| E 10 A <b>020850</b> 25 |
| E 16 A <b>020860</b> 25 |
| E 20 A <b>020870</b> 25 |
| E 25 A <b>020880</b> 25 |

|                                   |
|-----------------------------------|
| SK <b>034923</b> 20               |
| SK (with spring) <b>016173</b> 20 |

|                    |
|--------------------|
| FW 5 <b>047346</b> |
| FS 5 <b>047356</b> |

**Fuse terminals**  
with fault indicator



**Dimensions**

|   |    |
|---|----|
| Terminal width (+ 0.2 assembly tolerance) | mm |
| Insulation stripping length               | mm |

|                            |
|----------------------------|
| <b>Connection data</b>     |
| Screw connection, solid    |
| Screw connection, flexible |
| Conductor cross-section    |

|                           |
|---------------------------|
| <b>VDE rated data</b>     |
| Current                   |
| Voltage                   |
| LED current (24...60 V)   |
| LED current (115...230 V) |
| LED current (24...230 V)  |
| Incandescent lamp current |
| Neon lamp current         |
| Cross-section             |

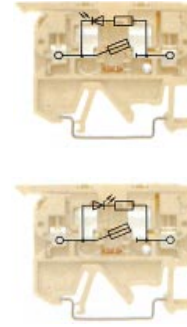
|                      |
|----------------------|
| <b>Ordering data</b> |
| 24 V~                |
| 24 V-                |
| 48 V~                |
| 60 V~                |
| 115 V~               |
| 230 V~               |
| 24 V-                |
| 48 V-                |
| 60 V-                |
| 115 V-               |
| 230 V-               |
| 12 V~/24 V-          |
| 20-30 V~/40-60 V-    |
| 40-60 V~/80-120 V-   |
| 115 V~/230 V-        |

**Accessories**

|                                      |
|--------------------------------------|
| Mounting rail                        |
| End bracket (thickness mm) for TS 32 |
| End plate (thickness mm) for TS 35   |
| Cross-connection bridges             |
| Type QB                              |
| Fixing screw (fits QL)               |
| Disconnect lever (spare)             |

For further accessories see section 3, further marking material see section 8

**ASK 1 LD**  
Fuse cartridge 5 x 20  
only 805081



**Warning:**  
In the event of a faulty fuse, the connection system is live.

|                         |
|-------------------------|
| 8                       |
| 9                       |
| 0,5...4 mm <sup>2</sup> |
| 0,5...4 mm <sup>2</sup> |
| AWG 22...12             |

|        |
|--------|
| 6,3 A  |
| ≤ 2 mA |
| ≤ 2 mA |

|                           |
|---------------------------|
| 4 mm <sup>2</sup>         |
| Type Cat. No. Qty.        |
| ASK 1 LD <b>805081</b> 25 |
| ASK 1 LD <b>022276</b> 25 |
| ASK 1 LD <b>022526</b> 25 |
| ASK 1 LD <b>022646</b> 25 |
| ASK 1 LD <b>022546</b> 25 |
| ASK 1 LD <b>022566</b> 25 |

|                           |
|---------------------------|
| ASK 1 LD <b>022286</b> 25 |
| ASK 1 LD <b>022536</b> 25 |
| ASK 1 LD <b>022636</b> 25 |
| ASK 1 LD <b>022556</b> 25 |
| ASK 1 LD <b>022576</b> 25 |

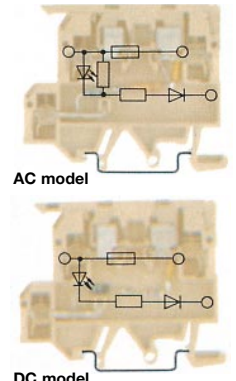
|                 |
|-----------------|
| Mountable on    |
| TS 32 und TS 35 |

|                              |
|------------------------------|
| TS 32 <b>012280</b> -        |
| TS 35x7,5 <b>038340</b> -    |
| TS 35x15 <b>049800</b> -     |
| EWK 1 <b>020616</b> 50       |
| EW 35 <b>038356</b> 50       |
| AP PA (1,5) <b>038036</b> 20 |

|                                      |
|--------------------------------------|
| QB 2 <sup>1)</sup> <b>046110</b> 100 |
| QB 3 <sup>1)</sup> <b>046120</b> 50  |
| QB 4 <sup>1)</sup> <b>046130</b> 50  |
| QB 58 <sup>1)</sup> <b>054540</b> -  |
| QB 58 <sup>1)</sup> <b>054530</b> -  |

|                              |
|------------------------------|
| TH (spare) <b>037706</b> 100 |
|------------------------------|

**KDKS 1**  
Fuse cartridge 5x20/5x25  
only 805081



**AC model**

**DC model**

**Warning:**  
In the event of a faulty fuse, the connection system is live.

|                         |
|-------------------------|
| 8                       |
| 9                       |
| 0,5...4 mm <sup>2</sup> |
| 0,5...4 mm <sup>2</sup> |
| AWG 22...12             |

|                                    |
|------------------------------------|
| 6,3 A                              |
| 24...230 V (depending on terminal) |

|        |
|--------|
| ≤ 2 mA |
|--------|

|                    |
|--------------------|
| 4 mm <sup>2</sup>  |
| Type Cat. No. Qty. |

|                         |
|-------------------------|
| KDKS 1 <b>814645</b> 25 |
| KDKS 1 <b>814895</b> 25 |
| KDKS 1 <b>814896</b> 25 |
| KDKS 1 <b>814894</b> 25 |

|                         |
|-------------------------|
| KDKS 1 <b>814893</b> 25 |
| KDKS 1 <b>814892</b> 25 |
| KDKS 1 <b>814284</b> 25 |
| KDKS 1 <b>814891</b> 25 |

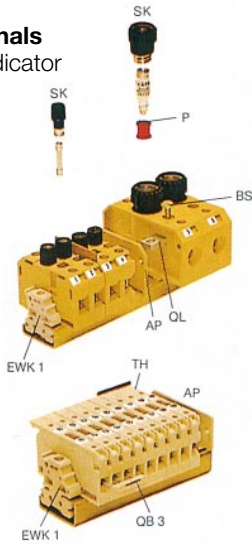
|                 |
|-----------------|
| Mountable on    |
| TS 32 und TS 35 |

|                           |
|---------------------------|
| TS 32 <b>012280</b> -     |
| TS 35x7,5 <b>038340</b> - |
| TS 35x15 <b>049800</b> -  |
| EW 35 <b>038356</b> 50    |
| AP KDKS <b>950334</b> 20  |

<sup>1)</sup> French version  
<sup>2)</sup> USA version

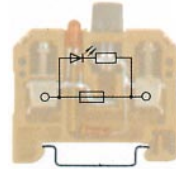
<sup>1)</sup> When using QB, the rated cross-current reduces to max. 2.5 mm<sup>2</sup>

## Fuse terminals with fault indicator



## SAKS 1

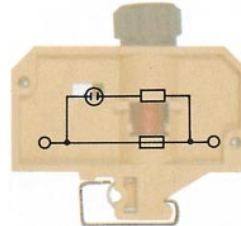
Fuse cartridge 5x20/5x25



**Warning:**  
In the event of a faulty fuse, the connected circuit is live!

## SAKS 4

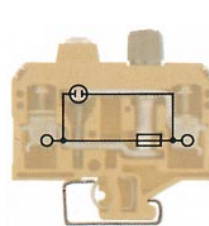
Fuse cartridge E14/D 01 (e.g. Neozed D 01)



**Warning:**  
In the event of a faulty fuse, the connected circuit is live!

## SAKS 6

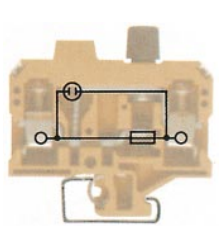
Fuse cartridge 11/4" x 1/4" to DEF 63



**Warning:**  
In the event of a faulty fuse, the connected circuit is live!

## SAKS 7

Fuse cartridge 5x20/5x25



**Warning:**  
In the event of a faulty fuse, the connected circuit is live!

### Dimensions

|   |    |    |
|---|----|----|
| Terminal width (+ 0.2 assembly tolerance) | mm | 13 |
| Insulation stripping length               | mm | 12 |

### Connection data

|                            |                          |
|----------------------------|--------------------------|
| Screw connection, solid    | 0,5...16 mm <sup>2</sup> |
| Screw connection, flexible | 0,5...10 mm <sup>2</sup> |
| Conductor cross-section    | AWG 20...8               |

### VDE rated data

|                           |                    |
|---------------------------|--------------------|
| Voltage/Current           | ~/10 A             |
| LED current (24...60 V)   | ≤ 5 mA             |
| LED current (115...230 V) | -                  |
| Incandescent lamp current | ≤ 50 mA            |
| Neon lamp current         | ≤ 0,5 mA           |
| Cross-section             | 10 mm <sup>2</sup> |

### Ordering data

| Fuse cartridge |                   | Voltage           | TS 32 Qty. | TS 35 Qty. |               |
|----------------|-------------------|-------------------|------------|------------|---------------|
| 5 x 20         | LED               | 24 V~             | 037142     | 10 022582  |               |
|                |                   | 24 V~             | 111122     | 10 111132  |               |
|                |                   | 48 V~             | 012172     | 10 022602  |               |
|                |                   | 48 V~             | 021392     | 10 021402  |               |
|                | Incandescent lamp | 24 V=             | 037172     | 10 017322  |               |
|                |                   | 48 V=             | 037892     | 10 017312  |               |
|                |                   | Neon lamp         | 115 V=     | 038532     | 10            |
|                |                   |                   | 230 V=     | 030612     | 10 019992     |
|                | 5 x 25            | LED               | 24 V~      | 040782     | 10 on request |
|                |                   |                   | 48 V~      | 038802     | 10 on request |
|                |                   | Incandescent lamp | 24 V=      | 038812     | 10 on request |
|                |                   |                   | 48 V=      | 038812     | 10 on request |
| Neon lamp      | 115 V=            | 038522            | 10 -       |            |               |
|                | 230 V=            | 030932            | 10 019862  |            |               |

### Accessories

|                            |                |          |      |
|----------------------------|----------------|----------|------|
| Mounting rail              | Type           | Cat. No. | Qty. |
| End bracket (thickness mm) | for TS 32      | 012280   | -    |
|                            | for TS 35      | 038340   | -    |
| End plate (thickness mm)   | TS 35x7,5      | 049800   | -    |
|                            | TS 35x15       | 020616   | 50   |
| Cross connection brackets  | EWK 1 (8,5)    | 038356   | 50   |
|                            | EW 35 (8,5)    | 019132   | 20   |
| Type QL                    | AP KrG (3)     | 019132   | 20   |
|                            | QL 2           | 019140   | 50   |
| Cross-connection bridges   | QL 3           | 019150   | 50   |
|                            | QL 4           | 019160   | 20   |
| Type QB                    | QL 10          | 033880   | 20   |
|                            | QL 10          | 033880   | 20   |
| Fixing screw (matches QL)  | BS M 3x6 m. SS | 034620   | 100  |
| Screw cap (spare)          | SK (5 x 20)    | 028210   | 20   |
|                            | SK (5 x 25)    | 028200   | 100  |
| Incandescent lamp          |                |          |      |

| Type      | Cat. No. | Qty. |
|-----------|----------|------|
| SAKS 1 LD |          |      |
| SAKS 1 GL |          |      |
| SAKS 1 LD |          |      |
| SAKS GL   |          |      |
| SAKS 1 GL |          |      |
| SAKS 1 LD |          |      |
| SAKS GL   |          |      |
| SAKS 1 GL |          |      |

| Type            | Cat. No. | Qty. |
|-----------------|----------|------|
| SAKS 4          |          |      |
| TS 32 neon lamp |          |      |
| 115 V=          | 010182   | 10   |
| 230 V=          | 010192   | 10   |
| 380 V=          | 010202   | 10   |
| 480 V=          | 010212   | 10   |

| Type       | Cat. No. | Qty. |
|------------|----------|------|
| SAKS 6 KrG | 053182   | 40   |
| SAKS 7 KrG | 057612   | 40   |
| SAKS 7 KrG | 057312   | 40   |

| Type       | Cat. No. | Qty. |
|------------|----------|------|
| SAKS 6 KrG | 053182   | 40   |
| SAKS 7 KrG | 057612   | 40   |
| SAKS 7 KrG | 057312   | 40   |

| Type             | Cat. No. | Qty. |
|------------------|----------|------|
| TS 32            | 012280   | -    |
| EWK 1 (8,5)      | 020616   | 50   |
| QL 2             | 019140   | 50   |
| QL 3             | 019150   | 50   |
| QL 4             | 019160   | 20   |
| QL 10            | 033880   | 20   |
| BS M 3x6 m. SS   | 034620   | 100  |
| Neon lamp 230 V~ | 055030   | -    |
| Neon lamp 115 V~ | 055020   | -    |

| Type             | Cat. No. | Qty. |
|------------------|----------|------|
| TS 32            | 012280   | -    |
| EWK 1 (8,5)      | 020616   | 50   |
| AP KrG           | 014672   | 20   |
| QL 2             | 019140   | 50   |
| QL 3             | 019150   | 50   |
| QL 4             | 019160   | 20   |
| QL 10            | 033880   | 20   |
| BS M 3x6 m. SS   | 034620   | 100  |
| Neon lamp 230 V~ | 055030   | -    |
| Neon lamp 115 V~ | 055020   | -    |

| Type             | Cat. No. | Qty. |
|------------------|----------|------|
| TS 32            | 012280   | -    |
| EWK 1 (8,5)      | 020616   | 50   |
| AP KrG (3)       | 014672   | 20   |
| QL 2             | 020780   | 20   |
| QL 3             | 020790   | 20   |
| QL 4             | 020800   | 20   |
| QL 10            | 033890   | 20   |
| BS M 4x9 m. SS   | 013330   | 100  |
| Neon lamp 230 V~ | 055030   | -    |
| Neon lamp 115 V~ | 055020   | -    |

## Fuse cartridges and gauge rings for Weidmüller terminals

### Fuse inserts

for terminal type

| for terminal type   | Size (mm)  | Rated voltage (V-) | Rated current (A)               | Cat. No.      | Qty.          |    |
|---|--|--------------------|---------------------------------|---------------|---------------|----|
| <b>G-fuse inserts 5 x 20 without indicator to DIN 41660, IEC 127 Part 1</b>                               |  |                    |                                 |               |               |    |
| SAKS 1<br>SAKS 7<br>ASK 1<br>WSI 6  | 5 x 20<br>Breaking capacity 1500 A<br>(at 250 V, 50 Hz, cos φ 0.7)                   | 250                | 0,2 (F)                         | <b>043040</b> | 10            |    |
|   |  |                    | 0,25 (F)                        | <b>043050</b> | 10            |    |
|   |  |                    | 0,5 (F)                         | <b>043060</b> | 10            |    |
|   |  |                    | 0,63 (F)                        | <b>043900</b> | 10            |    |
|   |  |                    | 1,0 (F)                         | <b>043070</b> | 10            |    |
|   |  |                    | 1,6 (F)                         | <b>043080</b> | 10            |    |
|   |  |                    | 2,0 (F)                         | <b>043090</b> | 10            |    |
|   |  |                    | 2,5 (F)                         | <b>043100</b> | 10            |    |
|   |  |                    | 3,15 (F)                        | <b>043110</b> | 10            |    |
|   |  |                    | 4,0 (F)                         | <b>043120</b> | 10            |    |
|   |  |                    | 5,0 (F)                         | <b>043130</b> | 10            |    |
| 6,3 (F)   | <b>043140</b>  | 10                 |                                 |               |               |    |
|   |  |                    | (F) = fast                      |               |               |    |
| <b>G-fuse inserts 5 x 25 with indicator to DIN 41576<sup>1)</sup></b>                                     |  |                    |                                 |               |               |    |
| SAKS 1<br>SAKS 7<br>WSI 6   | 5 x 25 m. K. <sup>1)</sup><br>Breaking capacity 80 A<br>(at 250 V, 50 Hz, cos φ = 1) | 250                | 0,25 (M)                        | <b>054690</b> | 10            |    |
|   |  |                    | 0,5 (M)                         | <b>051030</b> | 10            |    |
|   |  |                    | 0,8 (M)                         | <b>064640</b> | 10            |    |
|   |  |                    | 1 (M)                           | <b>026580</b> | 10            |    |
|   |  |                    | 10 (M) <sup>5)</sup>            | <b>019310</b> | 10            |    |
|   |  |                    | 2 (F)                           | <b>019270</b> | 10            |    |
|   |  |                    | 4 (F)                           | <b>019280</b> | 10            |    |
|   |  |                    | 6,3 (F)                         | <b>019290</b> | 10            |    |
|   |  |                    | (M) = Med. time lag, (F) = Fast |               |               |    |
| <b>Fuse inserts 1 1/4" x 1/4" to DEF 63/Size 0 without indicator</b>                                      |  |                    |                                 |               |               |    |
| SAKS 3 <sup>2)</sup><br>SAKS 6  | 33 kA short circuit rating fast speed  | 440                | E 0,5 A                         | 0,5           | <b>053380</b> | 10 |
|   |  |                    | E 1 A                           | 1             | <b>052550</b> | 10 |
|   |  |                    | E 2 A                           | 2             | <b>029450</b> | 10 |
|   |  |                    | E 3 A                           | 3             | <b>029570</b> | 10 |
|   |  |                    | E 5 A                           | 5             | <b>029460</b> | 10 |
|   |  |                    | E 7 A                           | 7             | <b>029580</b> | 10 |
|   |  |                    | E 10 A                          | 10            | <b>029390</b> | 10 |
| <b>D-fuse inserts E 16 with indicator to DIN 49360 (Diazed)</b>   |  |                    |                                 |               |               |    |
| SAKS 2  | VOLLESC<br>100 A   | 500                | E 10 A                          | 10            | <b>020850</b> | 25 |
|   |  |                    | E 16 A                          | 16            | <b>020860</b> | 25 |
|   |  |                    | E 20 A                          | 20            | <b>020870</b> | 25 |
|   |  |                    | E 25 A                          | 25            | <b>020880</b> | 25 |
| <b>D-fuse inserts E 14 Size D 01 and E 18 Size D 02 with indicator to DIN 49522 (Neozed)<sup>3)</sup></b> |  |                    |                                 |               |               |    |
| SAKS 4 <sup>4)</sup>  | LINDNER<br>1/380<br>D  | 380                | E 14/2                          | 2             | <b>013740</b> | 10 |
|   |  |                    | E 14/4                          | 4             | <b>013750</b> | 10 |
|   |  |                    | E 14/6                          | 6             | <b>032830</b> | 10 |
|   |  |                    | E 14/10                         | 10            | <b>032840</b> | 10 |
|   |  |                    | E 14/16                         | 16            | <b>032850</b> | 10 |
| SAKS 5  | LINDNER<br>LÖSENSCHNITT<br>NEOZED<br>20 A  | 380                | E 18/20                         | 20            | <b>036130</b> | 10 |
|   |  |                    | E 18/25                         | 25            | <b>036140</b> | 10 |
|   |  |                    | E 18/35                         | 35            | <b>036150</b> | 10 |
|   |  |                    | E 18/50                         | 50            | <b>036160</b> | 10 |
|   |  |                    | E 18/63                         | 63            | <b>036170</b> | 10 |

- Note:**
- <sup>1)</sup> The SIBA company also supplies 5 x 25 G fuse inserts with indicators in a shipbuilding model for 450 V AC.
  - <sup>2)</sup> 5 x 30 (500 V-) fuse inserts for SAKS 3 are available from the WICKMANN company.
  - <sup>3)</sup> The LINDNER company also supplies Neozed fuse cartridges in an additional shipbuilding model for 440 V AC.
  - <sup>4)</sup> Fuse cartridges with the dimensions 1"x1/4" ≙ 25.4x6.35 mm and 13/32"x1 1/2" ≙ 10.3x38.1 mm are not included in product line.
  - <sup>5)</sup> Only for SAKS 1 and SAKS 7.

### Gauge rings

for terminal type

SAKS 4 und 4/35



| Gauge ring type | Amp. | Colour | Cat. No.      | Qty. |
|-----------------|------|--------|---------------|------|
| P 14/2          | 2    | Pink   | <b>013800</b> | 50   |
| P 14/4          | 4    | Brown  | <b>013810</b> | 50   |
| P 14/6          | 6    | Green  | <b>032860</b> | 50   |
| P 14/10         | 10   | Red    | <b>032870</b> | 50   |
| <hr/>           |      |        |               |      |
| P 18/20         | 20   | Blue   | <b>036180</b> | 50   |
| P 18/25         | 25   | Yellow | <b>036190</b> | 50   |
| P 18/35         | 35   | Black  | <b>036200</b> | 50   |
| P 18/50         | 50   | White  | <b>036210</b> | 50   |
| <hr/>           |      |        |               |      |
| P 16/10         | 10   | Red    | <b>020890</b> | 100  |
| P 16/16         | 16   | Grey   | <b>020900</b> | 100  |
| P 16/20         | 20   | Blue   | <b>020910</b> | 100  |

SAKS 5 und 5/35



SAKS 2 und 2/35



Pressure connectors

SV 2

SV 3

Test disconnect terminal blocks



Dimensions

Width / length / height (mm)

with TS 32

20/72/34,5

20/72/51,5

Technical data

Permissible pressure

Tube 6 x 1 mm  
(internal 4 mm)  
10 at = 9.81 bar

Tube 6 x 1 mm  
(internal 4 mm)  
10 at = 9.81 bar

Ordering data

Version  
PA

| Type | Cat. No.      | Qty. |
|------|---------------|------|
|      | <b>021746</b> | 20   |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
|      | <b>028056</b> | 20   |

Sealing cap



| Type | Cat. No.      | Qty. |
|------|---------------|------|
| KA   | <b>029236</b> | 200  |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| KA   | <b>029236</b> | 200  |

Elbow



| Type | Cat. No.      | Qty. |
|------|---------------|------|
| WK   | <b>029556</b> | 50   |

| Type | Cat. No.      | Qty. |
|------|---------------|------|
| WK   | <b>029556</b> | 50   |

Dimensions

Width / length / height (mm)

with TS 32

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage / current / cross-section  
Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

Clampable conductor

|                                      |                 |
|--------------------------------------|-----------------|
| solid H07V-U                         | mm <sup>2</sup> |
| stranded H07V-R                      | mm <sup>2</sup> |
| flexible H07V-K                      | mm <sup>2</sup> |
| flexible H07V-K and AEH DIN 46 228/1 | mm <sup>2</sup> |
| Plug gauge according to 947-1        | Size            |

Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2...5-pole A  
Continuous current rating of cross-connection 6...10-pole A

UL / CSA rated data

|                                    |     |
|------------------------------------|-----|
| Voltage / current / conductor size | UL  |
| Voltage / current / conductor size | CSA |

Ordering data

| Type                    |
|-------------------------|
| KrG                     |
| PA                      |
| Without diode PA        |
| With diode PA           |
| Blue PA                 |
| Orange PA               |
| with 2 StB <sup>5</sup> |
| with 2 StB <sup>5</sup> |
| with 2 StB <sup>5</sup> |
| with 2 StB <sup>5</sup> |

End plate (thickness mm)

|  |         |
|--|---------|
|  | KrG     |
|  | PA      |
|  | blue PA |

Partition (thickness mm)

|  |
|--|
|  |
|--|

Cross-connection

|  |         |
|--|---------|
|  | 2-pole  |
|  | 3-pole  |
|  | 4-pole  |
|  | 25-pole |

QB 4

Screwdriver for StB

Size: 0,8 x 4



Diode plug (Spare)



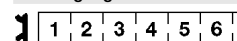
Test plug



Diodenstecker (Spare)

Without diode  
With diode 1N4007  
With diode 1N4007

Marking tags



Consecutive horizontal  
vertical Printed

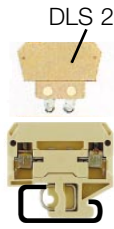
See section 3 for mounting rails and end brackets

See section 3 for mounting rails and end brackets

**SAKR**



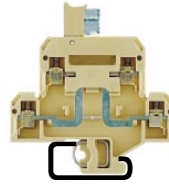
**SAKR-D**



**DKT 4**



**DKT 4 V**



**ASK 1**



| 6.5/42/40.5/54.5 (open)<br>8 mm/M 3/3,5 x 0,6  | 6,5/42/40,5/57 (with DLS 2)<br>8 mm/M 3/3,5 x 0,6  | 6/65/56,5/70 (open)<br>9 mm/M 3/3,5 x 0,6  | 6/65/56,5/70 (open)<br>9 mm/M 3/3,5 x 0,6  | 8/58/49<br>9 mm/M 3/3,5 x 0,6  |
|--|--|--|--|--|
| 400 V <sup>6)</sup> /10 A/4 mm <sup>2</sup><br>6 kV/3  | 400 V/10 A/4 mm <sup>2</sup><br>6 kV/3   | 400V/10 A/4 mm <sup>2</sup><br>6 kV/3  | 400 V/10 A/4 mm <sup>2</sup><br>6 kV/3   | 500 V/19 A/4 mm <sup>2</sup><br>6 kV/3   |
| 0,5...1,0/0,5 StB<br>2/1   | 0,5...1,0/0,5 StB<br>2/1   | 0,5...1,0/0,5 StB<br>2/1   | 0,5...1,0/0,5 StB<br>2/1   | 0,5...1,0<br>2   |
| 0,5...4<br>1,5...4<br>0,5...4<br>0,5...2,5<br>A 3  | 0,5...4<br>1,5...4<br>0,5...4<br>0,5...2,5<br>A 3  | 0,5...4<br>1,5...4<br>0,5...7<br>0,5...2,5<br>A 3  | 0,5...4<br>1,5...4<br>0,5...7<br>0,5...2,5<br>A 3  | 0,5...4<br>1,5...4<br>0,5...4<br>0,5...2,5<br>A 3  |
| (QB 2...25) 10   | (QB 2...25) 10   | (QB 2...4) 10  | (QB 2...4) 10  | (QB 2...4) 10  |
| 300 V/10 A/26...12 AWG<br>300 V/10 A/26...12 AWG   | 300 V/10 A/26...12 AWG<br>300 V/10 A/22...12 AWG   | 300 V/10 A/22...12 AWG<br>300 V/10 A/26...12 AWG   | 300 V/10 A/22...12 AWG<br>300 V/10 A/26...12 AWG   | 300 V/15 A/12 max. AWG<br>300 V/6,3 A/26...12 AWG  |
| Cat. No. Qty.<br><b>041212</b> 100<br><b>041216</b> 100  | Cat. No. Qty.<br><b>041296<sup>1)</sup></b> 100<br><b>041306<sup>2)</sup></b> 50<br><b>026366<sup>3)</sup></b> 50  | Cat. No. Qty.<br><b>068736</b> 50  | Cat. No. Qty.<br><b>130486</b> 50  | Cat. No. Qty.<br><b>045636</b> 100   |
| <b>041218</b> 100<br><b>146196</b> 100<br><b>041222</b> 100<br><b>041226</b> 100   | <b>054646<sup>1)</sup></b> 100<br><b>041316<sup>2)</sup></b> 50  | <b>032786</b> 50   | <b>130486</b> 50   | <b>010526</b> 100  |
| Type Cat. No. Qty.<br>AP (1.5) <b>021132</b> 20<br>AP (1.5) <b>021136</b> 20<br>AP (1.5) <b>021138</b> 20  | Type Cat. No. Qty.<br>AP (1,5) <b>021136</b> 20  | Type Cat. No. Qty.<br>AP (1,5) <b>068756</b> 20  | Type Cat. No. Qty.<br>AP (1,5) <b>068756</b> 20  | Type Cat. No. Qty.<br>AP (1,5) <b>038036</b> 20  |
| TW HP (1,0) <b>029710</b> 20   | TW HP (1,0) <b>029710</b> 20   | TW HP (2,0) <b>060700</b> 20   | TW HP (2,0) <b>060700</b> 20   | TW HP (2,0) <b>060700</b> 20   |
| QB 2 <sup>4)</sup> <b>048270</b> 100<br>QB 3 <sup>4)</sup> <b>048280</b> 50<br>QB 4 <sup>4)</sup> <b>048290</b> 50<br>QB 25 blank <sup>4)</sup> <b>013400</b> 20 | QB 2 <sup>4)</sup> <b>048270</b> 100<br>QB 3 <sup>4)</sup> <b>048280</b> 50<br>QB 4 <sup>4)</sup> <b>048290</b> 50<br>QB 25 blank <sup>4)</sup> <b>013400</b> 20 | QB 2 <sup>4)</sup> <b>048270</b> 100<br>QB 3 <sup>4)</sup> <b>048280</b> 50<br>QB 4 <sup>4)</sup> <b>048290</b> 50 | QB 2 <sup>4)</sup> <b>048270</b> 100<br>QB 3 <sup>4)</sup> <b>048280</b> 50<br>QB 4 <sup>4)</sup> <b>048290</b> 50 | QB 2 <sup>4)</sup> <b>046110</b> 100<br>QB 3 <sup>4)</sup> <b>046120</b> 50<br>QB 4 <sup>4)</sup> <b>046130</b> 50<br>3-pole ganging with SchS 2 marking tag carrier (Cat. No. <b>033740</b> ) |
|  | SDIK <b>902494</b> -   |  |  | Contact sleeve <b>055330</b> 100   |
| PS 2.3 <b>018040</b> 20  | PS 2.3 <b>018040</b> 20  | PS 2.3 <b>018040</b> 20  | PS 2.3 <b>018040</b> 20  |  |
|  | DLS 2 <b>032106</b> 50<br>DLS 2 +D+ <b>063016</b> 50<br>DLS 2 -K+ <b>054776</b> 50   |  |  |  |
| FW 6.5 <b>046816</b> -<br>FS 6.5 <b>046826</b> -   | FW 6.5 <b>046816</b> -<br>FS 6.5 <b>046826</b> -   | FW 6 <b>046866</b> -<br>FS 6 <b>046876</b> -   | FW 6 <b>046866</b> -<br>FS 6 <b>046876</b> -   | FW 5 <b>047346</b> -<br>FS 5 <b>047356</b> -   |

1) Without DLS  
2) With DLS empty  
3) With DLS 1N4007

4) Rated cross-section is reduced to max. 2.5 mm<sup>2</sup> when QB is used

5) With DKT 4 only in upper terminal level  
6) As disconnect terminal rated voltage 250 V

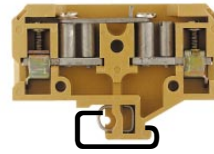
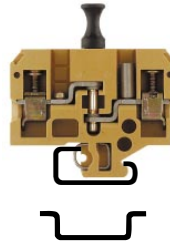
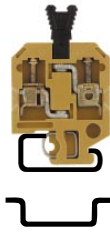
**Disconnect terminals**

**SAKC 4  
SAKC 4/35**

**SAKC 10  
SAKC 10/35**

**SAKA 10**

**SAKB 10**



**Dimensions**

|  |                  |
|--|------------------|
| Width / length / height (mm)                                 | with TS 32       |
| Width / length / height (mm)                                 | with TS 35 x 7,5 |
| Insulation stripping length/clamping screw/screwdriver blade |                  |

|  |  |
|--|--|
| <b>Rated data</b>                                      |  |
| Rated voltage / current / cross-section                |  |
| Rated impulse voltage VDE 0110/1.89/Pollution severity |  |

|  |    |
|--|----|
| <b>Further technical data</b>                  |    |
| Tightening torque range                        | Nm |
| Torque setting with DMS 2 electric screwdriver |    |

|   |                 |
|---|-----------------|
| <b>Clampable conductor</b>                                |                 |
| solid H07V-U  | mm <sup>2</sup> |
| stranded H07V-R   | mm <sup>2</sup> |
| flexible H07V-K   | mm <sup>2</sup> |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> |
| Plug gauge according to 947-1                             | Size            |
| Continuous current of terminal block for conductor size   |                 |
| Continuous current rating of cross-connection 2...5-pole  | A               |
| Continuous current rating of cross-connection 6...10-pole | A               |

|                                    |     |
|------------------------------------|-----|
| <b>UL / CSA rated data</b>         |     |
| Voltage / current / conductor size | UL  |
| Voltage / current / conductor size | CSA |

|                      |      |     |     |     |
|----------------------|------|-----|-----|-----|
| <b>Ordering data</b> | Type | KrG | KrS | KrS |
| With 2 StB           |      |     |     |     |
| With 1 StB           |      |     |     |     |
| With 2 StB           |      |     |     |     |

|                              |                               |                               |                               |
|------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 6,5/40/51,5/67               | 12/65/52,5/70,5               | 12/82/55,5                    | 10/65/52,5                    |
| 6,5/49,5/42,5/59,5           | 12/65/66                      | 12 mm/M 4/5,5 x 1,0           | 12 mm/M 4/5,5 x 1,0           |
| 12 mm/M 3/3,5 x 0,6          | 12 mm/M 4/5,5 x 1,0           |                               |                               |
| 400 V/25 A/4 mm <sup>2</sup> | 500 V/27 A/10 mm <sup>2</sup> | 500 V/47 A/10 mm <sup>2</sup> | 500 V/63 A/10 mm <sup>2</sup> |
| 6 kV/3                       | 6 kV/3                        | 6 kV/3                        | 6 kV/3                        |
| 0,5...1,0/0,5 StB            | 1,2...2,4                     | 1,2...2,4                     | 1,2...2,4                     |
| 2/1                          | 4                             | 4                             | 4                             |
| 0,5...6                      | 0,5...16                      | 0,5...16                      | 0,5...16                      |
| 1,5...4                      | 1,5...16                      | 1,5...16                      | 1,5...16                      |
| 0,5...4                      | 0,5...10                      | 0,5...10                      | 0,5...10                      |
| 0,5...4                      | 0,5...10                      | 0,5...10                      | 0,5...10                      |
| A 4                          | B 6                           | B 6                           | B 6                           |
| (QB 2...25) 10               | (QL 2...5) 47                 | (QL 2...5) 47                 | (QL 2...5) 47                 |
|                              | (QL 6...10) 36                | (QL 6...10) 36                | (QL 6...10) 36                |
| 300 V/-/22...12 AWG          | 300 V/25 A/22...8 AWG         | 600 V/-/18...8 AWG            | 600 V/-/18...8 AWG            |
| 300 V/25 A/22...10 AWG       | 600 V/25 A/20...10 AWG        | 600 V/35 A/18...8 AWG         | 600 V/45 A/18...8 AWG         |
| CrG                          | CrG                           | CrG                           | CrG                           |
| 034072 100 035752 100        | 032402 50                     | 013412 25                     | 013492 40                     |
| 034062 100 035762 100        | 032412 50 140462 50           |                               |                               |
|                              | 140452 50                     |                               |                               |
|                              | 032403 50                     |                               |                               |

|                                 |              |          |      |
|---------------------------------|--------------|----------|------|
| <b>End plate (thickness mm)</b> | Type         | Cat. No. | Qty. |
|                                 | KrG AP (1,5) | 011792   | 20   |
|                                 | KrS          |          |      |
|                                 | PA           |          |      |

|                                 |              |          |      |
|---------------------------------|--------------|----------|------|
| <b>Partition (thickness mm)</b> | Type         | Cat. No. | Qty. |
|                                 | KrG TW (1,5) | 013016   | 20   |
|                                 | KrS          |          |      |
|                                 | HP           |          |      |
|                                 | TW (1,0)     | 029710** | 20   |

|                         |                                   |          |      |
|-------------------------|-----------------------------------|----------|------|
| <b>Cross-connection</b> | Type                              | Cat. No. | Qty. |
|                         | 1-pole QB 2 <sup>1)</sup>         | 048270   | 100  |
|                         | 3-pole QB 3 <sup>1)</sup>         | 048280   | 50   |
|                         | 4-pole QB 4 <sup>1)</sup>         | 048290   | 50   |
|                         | 10-pole QB 25 blank <sup>1)</sup> | 013400   | 20   |
|                         | 25-pole VH                        |          |      |
|                         | BS                                |          |      |
|                         | SS M4                             |          |      |
|                         | VH                                |          |      |
|                         | BS                                |          |      |
|                         | VH                                |          |      |

|                   |             |          |      |
|-------------------|-------------|----------|------|
| <b>Dummy plug</b> | Type        | Cat. No. | Qty. |
|                   | BST 4 green | 133905   | 500  |
|                   | BST 4 red   | 133906   | 500  |
|                   | BST 4 blue  | 133908   | 500  |

|                         |          |          |      |
|-------------------------|----------|----------|------|
| <b>Test plug/Socket</b> | Type     | Cat. No. | Qty. |
|                         | PS 4     |          |      |
|                         | StB      |          |      |
|                         | PS 2.3   | 018040   | 20   |
|                         | StB 13.5 |          |      |
|                         | StB 16   |          |      |

|                                  |        |          |      |
|----------------------------------|--------|----------|------|
| <b>Disconnecter plug (spare)</b> | Type   | Cat. No. | Qty. |
|                                  | TST 4  | 138060   | 20   |
|                                  | TST 10 |          |      |

|                        |       |          |      |
|------------------------|-------|----------|------|
| <b>Extraction tool</b> | Type  | Cat. No. | Qty. |
|                        | ZI WE | 062306   | 10   |

|                     |                        |          |        |
|---------------------|------------------------|----------|--------|
| <b>Marking tags</b> | Print                  | Cat. No. | Qty.   |
|                     | Consecutive horizontal | FW 6.5   | 046816 |
|                     | vertical Printed       | FS 6.5   | 046826 |

|             |        |     |
|-------------|--------|-----|
| AP (3,0)    | 011792 | 20  |
| AP (3,0)    | 014672 | 20  |
| AP (3,0)    | 014673 | 20  |
| TW (3,0)    | 024292 | 20  |
| TW (3,0)    | 024293 | 20  |
| TW (1,5)    | 024296 | 20  |
| QL 2        | 013550 | 50  |
| QL 3        | 013560 | 50  |
| QL 4        | 013570 | 50  |
| QL 10       | 033850 | 20  |
| VH 14       | 029970 | 50  |
| BS M 4x20   | 036280 | 100 |
| SS M 4      | 013640 | 100 |
| VH 23       | 034870 | 50  |
| BS M 4 x 30 | 026710 | 50  |
| SS M 4      | 013640 | 100 |
| VL 2        | 013580 | 50  |
| PS 4        | 029960 | 20  |
| StB 13.5    | 013520 | 50  |
| StB 13.5    | 013520 | 50  |
| StB 16      | 014020 | 50  |
| TST 10      | 046270 | 20  |

|             |        |     |
|-------------|--------|-----|
| AP (3,0)    | 013422 | 20  |
| AP (3,0)    | 013422 | 20  |
| TW (3,0)    | 025712 | 20  |
| TW (3,0)    | 025712 | 20  |
| TW (1,5)    | 025712 | 20  |
| QL 2        | 013550 | 50  |
| QL 3        | 013560 | 50  |
| QL 4        | 013570 | 50  |
| QL 10       | 033850 | 20  |
| VH 23       | 034870 | 50  |
| BS M 4 x 30 | 026710 | 50  |
| SS M 4      | 013640 | 100 |
| VL 2        | 013580 | 50  |
| PS 4        | 029960 | 20  |
| StB 13.5    | 013520 | 50  |
| StB 13.5    | 013520 | 50  |
| StB 16      | 014020 | 50  |
| TST 10      | 046270 | 20  |

|             |        |     |
|-------------|--------|-----|
| AP (3,0)    | 013422 | 20  |
| AP (3,0)    | 013422 | 20  |
| TW (3,0)    | 025712 | 20  |
| TW (3,0)    | 025712 | 20  |
| TW (1,5)    | 025712 | 20  |
| QL 2        | 013550 | 50  |
| QL 3        | 013560 | 50  |
| QL 4        | 013570 | 50  |
| QL 10       | 033850 | 20  |
| VH 23       | 034870 | 50  |
| BS M 4 x 30 | 026710 | 50  |
| SS M 4      | 013640 | 100 |
| VL 2        | 013580 | 50  |
| PS 4        | 029960 | 20  |
| StB 13.5    | 013520 | 50  |
| StB 13.5    | 013520 | 50  |
| StB 16      | 014020 | 50  |
| TST 10      | 046270 | 20  |

|            |        |     |
|------------|--------|-----|
| AP (3,0)   | 014672 | 20  |
| AP (3,0)   | 014672 | 20  |
| TW (3,0)   | 024292 | 20  |
| TW (3,0)   | 024292 | 20  |
| TW (1,5)   | 024292 | 20  |
| QL 2       | 011410 | 100 |
| QL 3       | 011430 | 50  |
| QL 4       | 011450 | 50  |
| QL 10      | 033840 | 20  |
| VH 23      | 034870 | 50  |
| BS M 4 x 9 | 010330 | 100 |
| SS M 4     | 013640 | 100 |
| VL 2       | 013590 | 50  |
| PS 4S 4    | 029960 | 20  |
| StB 16     | 014020 | 50  |
| TST 10     | 046270 | 20  |

For further accessories see section 3, further marking material see section 8

\* The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used

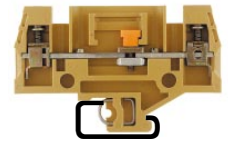
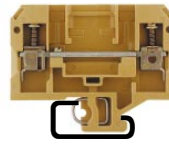
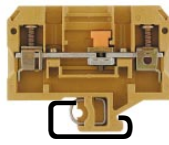
**Test disconnect terminal blocks**

**SAKT 1/LT**


**SAKT 1/DU 1**

**SAKT 1/QT 1**

**SAKT 2/LT**



**Dimensions**

|  |  |                       |                       |                       |                       |
|--|--|-----------------------|-----------------------|-----------------------|-----------------------|
| Width / length / height (mm)                                 | with TS 32  | 8/65/52,5             | 8/65/52,5             | 8/65/52,5             | 8/82/52,5             |
| Insulation stripping length/clamping screw/screwdriver blade |  | 12 mm/M 3,5/4,0 x 0,8 | 12 mm/M 3,5/4,0 x 0,8 | 12 mm/M 3,5/4,0 x 0,8 | 12 mm/M 3,5/4,0 x 0,8 |

**Rated data**

|  |  |                              |                              |                              |                              |
|--|--|------------------------------|------------------------------|------------------------------|------------------------------|
| Rated voltage / current / cross-section                |  | 400 V/27 A/6 mm <sup>2</sup> | 400 V/27 A/6 mm <sup>2</sup> | 400 V/27 A/6 mm <sup>2</sup> | 400 V/27 A/6 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity |  | 6 kV/3                       | 6 kV/3                       | 6 kV/3                       | 6 kV/3                       |

**Further technical data**

|  |    |           |           |           |           |
|--|----|-----------|-----------|-----------|-----------|
| Tightening torque range                        | Nm | 0,8...1,6 | 0,8...1,6 | 0,8...1,6 | 0,8...1,6 |
| Torque setting with DMS 2 electric screwdriver |    | 3         | 3         | 3         | 3         |

**Clampable conductor**





|                                      |                 |          |          |          |          |
|--------------------------------------|-----------------|----------|----------|----------|----------|
| solid H07V-U                         | mm <sup>2</sup> | 0,5...10 | 0,5...10 | 0,5...10 | 0,5...10 |
| stranded H07V-R                      | mm <sup>2</sup> | 1,5...10 | 1,5...10 | 1,5...10 | 1,5...10 |
| flexible H07V-K                      | mm <sup>2</sup> | 0,5...6  | 0,5...6  | 0,5...6  | 0,5...6  |
| flexible H07V-K and AEH DIN 46 228/1 | mm <sup>2</sup> | 0,5...8  | 0,5...8  | 0,5...6  | 0,5...6  |
| Plug gauge according to 947-1        | Size            | A 5      | A 5      | A 5      | A 5      |

|   |   |                |                |             |                |
|---|---|----------------|----------------|-------------|----------------|
| Continuous current of terminal block for conductor size   |   |                |                |             |                |
| Continuous current rating of cross-connection 2...5-pole  | A | (QL 2...5) 47  | (QL 2...5) 47  | (QL 2...5)  | (QL 2...5) 47  |
| Continuous current rating of cross-connection 6...10-pole | A | (QL 6...10) 36 | (QL 6...10) 36 | (QL 6...10) | (QL 6...10) 36 |

**UL / CSA rated data**

|                                    |     |                       |                       |                       |                       |
|------------------------------------|-----|-----------------------|-----------------------|-----------------------|-----------------------|
| Voltage / current / conductor size | UL  | 300 V/25 A/26...8 AWG | 300 V/25 A/26...8 AWG | 300 V/25 A/26...8 AWG | 300 V/25 A/26...8 AWG |
| Voltage / current / conductor size | CSA | 300 V/25 A/26...8 AWG | 300 V/25 A/26...8 AWG | 300 V/25 A/26...8 AWG | 300 V/25 A/26...8 AWG |

















































**Ordering data**

| Type                 | Cat. No.   | Qty.          | Type | Cat. No.   | Qty.          | Type | Cat. No.   | Qty.          | Type | Cat. No.   | Qty.          |    |
|----------------------|--|---------------|------|--|---------------|------|--|---------------|------|--|---------------|----|
| Closed back wall KrG |  | <b>026912</b> | 50   |  | <b>055042</b> | 50   |  | <b>049482</b> | 50   |  | <b>044542</b> | 50 |
| Open back wall KrG   |  |               |      | <b>019562</b>  | 50            |      | <b>026932</b>  | 50            |      |  | <b>043772</b> | 50 |
| 4 StB 14 KrG 60 V*   |  |               |      |  |               |      |  |               |      |  |               |    |
| 1 StB 2 KrG          |  |               |      |  |               |      |  |               |      |  |               |    |
| 1 StB 2.3 KrG        |  |               |      |  |               |      |  |               |      |  |               |    |
| 2 StB 14 KrG         |  | <b>043792</b> | 50   |  |               |      |  |               |      |  | <b>033062</b> | 50 |
| 2 StB 2.3 KrG        |  |               |      |  |               |      |  |               |      |  |               |    |
| PA                   |  |               |      |  |               |      |  |               |      |  |               |    |
| 2 StB PA             |  |               |      |  |               |      |  |               |      |  |               |    |

















**End plate/partition/small partition (thickness mm)**

| Type   | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No.      | Qty.          |     |
|--------|----------|---------------|------|----------|---------------|------|----------|---------------|------|---------------|---------------|-----|
| KrG    | AP (3,0) | <b>014672</b> | 20   | AP (3,0) | <b>014672</b> | 20   | AP (3,0) | <b>014672</b> | 20   | AP (2,5)      | <b>032912</b> | 20  |
| KrG    | TW (3,0) | <b>024292</b> | 20   | TW (3,0) | <b>024292</b> | 20   | TW (3,0) | <b>024292</b> | 20   | TW (2,5)      | <b>035182</b> | 20  |
| PA     | AP (1,5) | <b>014676</b> | 20   | AP (1,5) | <b>014676</b> | 20   | AP (1,5) | <b>014676</b> | 20   |               |               |     |
| PA     | TW (1,5) | <b>024296</b> | 20   | TW (1,5) | <b>024296</b> | 20   | TW (1,5) | <b>024296</b> | 20   |               |               |     |
| HP     | TW (0,5) | <b>047470</b> | 20   | TW (0,5) | <b>047470</b> | 20   | TW (0,5) | <b>047470</b> | 20   |               |               |     |
| TSch 2 | TSch 2   | <b>035366</b> | 100  | TSch 2   | <b>035366</b> | 100  | TSch 2   | <b>035366</b> | 100  | TSch 2        | <b>035366</b> | 100 |
|        |          |               |      |          |               |      |          |               |      | TSch 2 Orange | <b>013246</b> | 100 |

**Cross-connection**

|   |             |               |     |   |               |     |   |               |     |   |               |     |
|---|-------------|---------------|-----|---|---------------|-----|---|---------------|-----|---|---------------|-----|
|  | QL 2        | <b>019430</b> | 50  |  | <b>019430</b> | 50  |  | <b>019430</b> | 50  |  | <b>019430</b> | 50  |
|  | QL 3        | <b>019440</b> | 50  |  | <b>019440</b> | 50  |  | <b>019440</b> | 50  |  | <b>019440</b> | 50  |
|  | QL 4        | <b>019450</b> | 50  |  | <b>019450</b> | 50  |  | <b>019450</b> | 50  |  | <b>019450</b> | 50  |
|  | QL 10       | <b>033830</b> | 20  |  | <b>033830</b> | 20  |  | <b>033830</b> | 20  |  | <b>033830</b> | 20  |
|  | VH 12       | <b>024900</b> | 100 |  | <b>024900</b> | 100 |  | <b>024900</b> | 100 |  | <b>024900</b> | 100 |
|  | VH 19       | <b>037710</b> | 100 |  | <b>037710</b> | 100 |  | <b>037710</b> | 100 |  | <b>037710</b> | 100 |
|  | QS 2        | <b>027096</b> | 20  |  | <b>027096</b> | 20  |  | <b>027096</b> | 20  |  | <b>027096</b> | 20  |
|  | QVSK 2      | <b>167036</b> | 20  |  | <b>167036</b> | 20  |  | <b>167036</b> | 20  |  | <b>167036</b> | 20  |
|  | BS 25       | <b>032930</b> | 20  |  | <b>032930</b> | 20  |  | <b>032930</b> | 20  |  | <b>032930</b> | 20  |
|  | blank       | <b>030740</b> | 20  |  | <b>030740</b> | 20  |  | <b>030740</b> | 20  |  | <b>030740</b> | 20  |
|  | QS 2        | <b>031800</b> | 50  |  | <b>031800</b> | 50  |  | <b>031800</b> | 50  |  | <b>031800</b> | 50  |
|  | BS 25 blank | <b>033470</b> | 50  |  | <b>033470</b> | 50  |  | <b>033470</b> | 50  |  | <b>033470</b> | 50  |

**Switchable cross-connection link**

|   |       |               |    |   |               |    |   |               |    |   |               |    |
|---|-------|---------------|----|---|---------------|----|---|---------------|----|---|---------------|----|
|  | QB 2  | <b>020570</b> | 50 |  | <b>020570</b> | 50 |  | <b>020570</b> | 50 |  | <b>020570</b> | 50 |
|  | QB 3  | <b>020580</b> | 50 |  | <b>020580</b> | 50 |  | <b>020580</b> | 50 |  | <b>020580</b> | 50 |
|  | QB 4  | <b>020590</b> | 50 |  | <b>020590</b> | 50 |  | <b>020590</b> | 50 |  | <b>020590</b> | 50 |
|  | QB 10 | <b>034380</b> | 20 |  | <b>034380</b> | 20 |  | <b>034380</b> | 20 |  | <b>034380</b> | 20 |

**Disconnect link**

|   |       |               |     |   |               |     |   |               |     |   |               |     |
|---|-------|---------------|-----|---|---------------|-----|---|---------------|-----|---|---------------|-----|
|  | SSP 3 | <b>053176</b> | 100 |  | <b>053176</b> | 100 |  | <b>053176</b> | 100 |  | <b>053176</b> | 100 |
|---|-------|---------------|-----|---|---------------|-----|---|---------------|-----|---|---------------|-----|

**Marking tags**

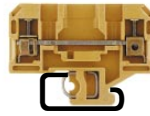
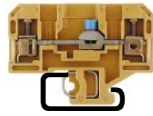
|   | Print                  |        |               |   |        |               |   |
|---|------------------------|--------|---------------|---|--------|---------------|---|
|  | Consecutive horizontal | FW 6.5 | <b>046816</b> | - | FW 6.5 | <b>046816</b> | - |
|   | Consecutive vertical   | FS 6.5 | <b>046826</b> | - | FS 6.5 | <b>046826</b> | - |

For further accessories see section 3, further marking material see section 8


Test disconnect terminal blocks

SAKT 4/LT

SAKT 4/DU



Dimensions

|  |  |                       |                       |  |  |
|--|--|-----------------------|-----------------------|--|--|
| Width / length / height (mm)                                 | with TS 32  | 6/57,5/42,5           | 6/57,5/42,5           |  |  |
| Insulation stripping length/clamping screw/screwdriver blade |  | 10 mm/M 2,5/4,0 x 0,8 | 10 mm/M 2,5/4,0 x 0,8 |  |  |

Rated data

|  |  |                              |                              |  |  |
|--|--|------------------------------|------------------------------|--|--|
| Rated voltage / current / cross-section                |  | 400 V/27 A/4 mm <sup>2</sup> | 400 V/27 A/4 mm <sup>2</sup> |  |  |
| Rated impulse voltage VDE 0110/1.89/Pollution severity |  | 6 kV/3                       | 6 kV/3                       |  |  |

Further technical data

|  |    |           |           |  |  |
|--|----|-----------|-----------|--|--|
| Tightening torque range                        | Nm | 0,4...0,7 | 0,4...0,7 |  |  |
| Torque setting with DMS 2 electric screwdriver |    | 1         | 1         |  |  |



Clampable conductor

|   |                 |               |               |  |  |
|---|-----------------|---------------|---------------|--|--|
| solid H07V-U  | mm <sup>2</sup> | 0,5...6       | 0,5...6       |  |  |
| stranded H07V-R   | mm <sup>2</sup> | 1,5...4       | 1,5...4       |  |  |
| flexible H07V-K   | mm <sup>2</sup> | 0,5...4       | 0,5...4       |  |  |
| flexible H07V-K and AEH DIN 46 228/1                      | mm <sup>2</sup> | 0,5...4       | 0,5...4       |  |  |
| Plug gauge according to 947-1                             | Size            | A 3           | A 3           |  |  |
| Continuous current of terminal block for conductor size   |                 |               |               |  |  |
| Continuous current rating of cross-connection 2...5-pole  | A               | (Q 2...10) 27 | (Q 2...10) 27 |  |  |
| Continuous current rating of cross-connection 6...10-pole | A               |               |               |  |  |

UL / CSA rated data

|                                    |     |                        |                        |  |  |
|------------------------------------|-----|------------------------|------------------------|--|--|
| Voltage / current / conductor size | UL  | 300 V/20 A/22...12 AWG | 300 V/20 A/22...12 AWG |  |  |
| Voltage / current / conductor size | CSA | 300 V/-/26...10 AWG    | 300 V/-/26...10 AWG    |  |  |











Ordering data

| Type                 | Cat. No.  | Qty.          | Type | Cat. No.  | Qty.          |    |
|----------------------|---|---------------|------|---|---------------|----|
| Closed back wall KrG |  | <b>025412</b> | 50   |  | <b>024632</b> | 50 |
| Open back wall KrG   |   |               |      |   |               |    |
| 4 StB 14 KrG 60 V*   |   |               |      |   |               |    |
| 1 StB 2 KrG          | StB left  | <b>025422</b> | 50   |   |               |    |
| 1 StB 2.3 KrG        | StB left  | <b>025432</b> | 50   | StB left  | <b>024652</b> | 50 |
| 2 StB 14 KrG         | StB ø 2,0   | <b>031032</b> | 50   | StB ø 2,0   | <b>024662</b> | 50 |
| 2 StB 2.3 KrG        |   | <b>025442</b> | 50   |   |               |    |
| PA                   |   |               |      |   |               |    |
| 2 StB PA             |   |               |      |   |               |    |



End plate / partition/Small partition (thickness mm)

| Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          |     |
|------|----------|---------------|------|----------|---------------|-----|
| KrG  | AP (1,5) | <b>024492</b> | 20   | AP (1,5) | <b>024492</b> | 20  |
| KrG  |          |               |      |          |               |     |
| PA   |          |               |      |          |               |     |
| PA   |          |               |      |          |               |     |
| HP   | TW (0,5) | <b>047470</b> | 20   | TW (0,5) | <b>047470</b> | 20  |
|      | TSch 2   | <b>035366</b> | 100  | TSch 2   | <b>035366</b> | 100 |

Cross-connection

|  |             |               |     |              |               |     |
|--|-------------|---------------|-----|--------------|---------------|-----|
|  | QL 2        | <b>015590</b> | 100 | QL 2         | <b>015590</b> | 100 |
|  | QL 3        | <b>015600</b> | 100 | QL 3         | <b>015600</b> | 100 |
|  | QL 4        | <b>015610</b> | 50  | QL 4         | <b>015610</b> | 50  |
|  | VH 12       | <b>033810</b> | 20  | QL 10        | <b>033810</b> | 20  |
|  | VH 19       | <b>026670</b> | 100 | VH 8         | <b>026670</b> | 100 |
|  | VH 19       | <b>037720</b> | 100 | BS M 3x15 Cu | <b>037720</b> | 100 |
|  | BS 25 blank | <b>131926</b> | 20  | QVS 2        | <b>131926</b> | 20  |
|  | QS 2        |               |     | QVS 2        | <b>131926</b> | 20  |
|  | VH 16       | <b>030970</b> | 50  | VH 16        | <b>030970</b> | 50  |
|  | BS M 3 x 22 | <b>131990</b> | 50  | BS M 3 x 22  | <b>131990</b> | 50  |



Switchable cross-connection link

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Disconnect lock

|       |               |    |       |               |    |
|-------|---------------|----|-------|---------------|----|
| SSP 4 | <b>131936</b> | 20 | SSP 4 | <b>131936</b> | 20 |
|-------|---------------|----|-------|---------------|----|

Marking tags

| Print   | Consecutive horizontal | Consecutive vertical |   |        |               |   |
|---|------------------------|----------------------|---|--------|---------------|---|
|   | FW 6.5                 | <b>046816</b>        | - | FW 6.5 | <b>046816</b> | - |
|  | FS 6.5                 | <b>046826</b>        | - | FS 6.5 | <b>046826</b> | - |

For further accessories see section 3, further marking material see section 8

## Feed-through terminals with tab connection

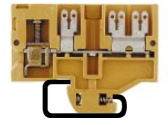
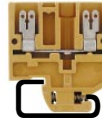
## Disconnect terminals with tab connection

### AST 1

### AST 3

### AST 4

### AST 5



#### Dimensions

Width / length / height (mm) with TS 32   
 Insulation stripping length/clamping screw/screwdriver blade

6,5/58/53,5

6,5/40/47,5

6,5/40/47,5  
9 mm/M 2,5/3,5 x 0,6

6,5/58/53,5  
12 mm/M 3/3,5 x 0,6

#### Rated data

Rated voltage / current / cross-section  
 Rated impulse voltage VDE 0110/1.89/Pollution severity

500 V<sup>1</sup>/ - /2,5/1,0 mm<sup>2</sup>  
6 kV/3

500 V<sup>1</sup>/ - /2,5/1,0 mm<sup>2</sup>  
6 kV/3

500 V<sup>1</sup>/ - /2,5/1,0 mm<sup>2</sup>  
6 kV/3

500 V<sup>1</sup>/ - /2,5/1,0 mm<sup>2</sup>  
6 kV/3

#### Further technical data

Tightening torque range Nm  
 Torque setting with DMS 2 electric screwdriver

0,4...0,7  
1

0,5...1,0  
2

#### Clampable conductor

solid H07V-U mm<sup>2</sup>  
 stranded H07V-R mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
 Plug gauge according to 947-1 Size

0,5...4  
1,5...2,5  
0,5...2,5  
0,5...2,5  
A 3

0,5...6  
1,5...2,5  
0,5...4  
0,5...4  
A 4

Continuous current of terminal block for conductor size  
 Continuous current rating of cross-connection 2-pole A  
 Continuous current rating of cross-connection multipole A

(QL 2...10) 36

(QL 2...10) 36

(QL 2...10) 36

(QL 2...10) 36

#### UL / CSA rated data

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

300 V/13 A/-  
300 V/16 A/-


300 V/13 A/-  
300 V/16 A/-


300 V/13 A/22...12 AWG  
300 V/16 A/24...12 AWG


300 V/13 A/22...12 AWG  
300 V/16 A/24...12 AWG


#### Ordering data

**Version**  
 Slotted KrG  
 Blue, slotted KrG  
 Slotted PA  
 Unslotted KrG  
 Blue, unslotted KrG  
 Unslotted PA  
 Block of 10, slotted with marking 1-9 PA

|  | Cat. No.                   | Qty. |
|---|----------------------------|------|
| Slotted KrG   | <b>047822</b>              | 50   |
| Slotted PA  | <b>047826<sup>2)</sup></b> | 50   |
| Unslotted KrG   | <b>026632</b>              | 50   |
| Unslotted PA  | <b>026636<sup>2)</sup></b> | 50   |

|  | Cat. No.                   | Qty. |
|---|----------------------------|------|
| Slotted KrG   | <b>044242</b>              | 100  |
| Slotted PA  | <b>023686<sup>2)</sup></b> | 100  |
| Unslotted KrG   | <b>029802</b>              | 100  |
| Unslotted PA  | <b>023676<sup>2)</sup></b> | 100  |

|  | Cat. No.      | Qty. |
|---|---------------|------|
| Slotted KrG   | <b>043912</b> | 100  |
| Slotted PA  | <b>023726</b> | 100  |
| Unslotted KrG   | <b>032122</b> | 100  |
| Unslotted PA  | <b>023716</b> | 100  |

|  | Cat. No.      | Qty. |
|---|---------------|------|
| Slotted KrG   | <b>047922</b> | 50   |
| Slotted PA  | <b>047926</b> | 50   |
| Unslotted KrG   | <b>033452</b> | 50   |
| Unslotted PA  | <b>033456</b> | 50   |

#### End plate/partition/small partition (thickness mm)

| Type     | Cat. No. | Qty.                      |
|----------|----------|---------------------------|
| KrG      | AP (3,0) | <b>026642</b> 20          |
| Blue KrG | PA       | AP (1,5) <b>026646</b> 20 |
| PA       | PA       |                           |
| HP       | TW (0,5) | <b>047470</b> 20          |
| HP       | TW (2,0) | <b>060700</b> 20          |
| TSch 1   | TSch 1   | <b>031916</b> 100         |

| Type     | Cat. No. | Qty.                      |
|----------|----------|---------------------------|
| KrG      | AP (3,0) | <b>029812</b> 20          |
| Blue KrG | PA       | AP (1,5) <b>046056</b> 20 |
| PA       | PA       | TW (1,5) <b>013016</b> 20 |
| HP       | TW (1,0) | <b>029710</b> 20          |
| HP       | TW (2,0) | <b>029710</b> 20          |
| TSch 1   | TSch 1   | <b>031916</b> 100         |

| Type     | Cat. No. | Qty.                      |
|----------|----------|---------------------------|
| KrG      | AP (3,0) | <b>029812</b> 20          |
| Blue KrG | PA       | AP (1,5) <b>046056</b> 20 |
| PA       | PA       | TW (1,5) <b>013016</b> 20 |
| HP       | TW (1,0) | <b>029710</b> 20          |
| HP       | TW (2,0) | <b>029710</b> 20          |
| TSch 1   | TSch 1   | <b>031916</b> 100         |

#### Cross-connection

| Type    | Cat. No. | Qty.             |
|---------|----------|------------------|
| 2-pole  | Q 2      | <b>033670</b> 50 |
| 3-pole  | Q 3      | <b>033680</b> 50 |
| 4-pole  | Q 4      | <b>033690</b> 50 |
| 10-pole | Q 10     | <b>036880</b> 20 |
| 25-pole |          |                  |

| Type    | Cat. No. | Qty.             |
|---------|----------|------------------|
| 2-pole  | Q 2      | <b>033670</b> 50 |
| 3-pole  | Q 3      | <b>033680</b> 50 |
| 4-pole  | Q 4      | <b>033690</b> 50 |
| 10-pole | Q 10     | <b>036880</b> 20 |

| Type    | Cat. No. | Qty.             |
|---------|----------|------------------|
| 2-pole  | Q 2      | <b>033670</b> 50 |
| 3-pole  | Q 3      | <b>033680</b> 50 |
| 4-pole  | Q 4      | <b>033690</b> 50 |
| 10-pole | Q 10     | <b>036880</b> 20 |

| Type    | Cat. No. | Qty.             |
|---------|----------|------------------|
| 2-pole  | Q 2      | <b>033670</b> 50 |
| 3-pole  | Q 3      | <b>033680</b> 50 |
| 4-pole  | Q 4      | <b>033690</b> 50 |
| 10-pole | Q 10     | <b>036880</b> 20 |

#### Plug adapter

| Type   | Cat. No.  | Qty.              |
|--------|-----------|-------------------|
| 2-pole | STA 2.5/2 | <b>016586</b> 100 |
| 3-pole | STA 2.5/3 | <b>016596</b> 50  |
| 4-pole | STA 2.5/4 | <b>019036</b> 50  |
| 5-pole | STA 2.5/5 | <b>016606</b> 50  |
| 8-pole | STA 2.5/8 | <b>016616</b> 50  |

| Type   | Cat. No.  | Qty.              |
|--------|-----------|-------------------|
| 2-pole | STA 2.5/2 | <b>016586</b> 100 |
| 3-pole | STA 2.5/3 | <b>016596</b> 50  |
| 4-pole | STA 2.5/4 | <b>019036</b> 50  |
| 5-pole | STA 2.5/5 | <b>016606</b> 50  |
| 8-pole | STA 2.5/8 | <b>016616</b> 50  |

| Type   | Cat. No.  | Qty.              |
|--------|-----------|-------------------|
| 2-pole | STA 2.5/2 | <b>016586</b> 100 |
| 3-pole | STA 2.5/3 | <b>016596</b> 50  |
| 4-pole | STA 2.5/4 | <b>019036</b> 50  |
| 5-pole | STA 2.5/5 | <b>016606</b> 50  |
| 8-pole | STA 2.5/8 | <b>016616</b> 50  |

| Type   | Cat. No.  | Qty.              |
|--------|-----------|-------------------|
| 2-pole | STA 2.5/2 | <b>016586</b> 100 |
| 3-pole | STA 2.5/3 | <b>016596</b> 50  |
| 4-pole | STA 2.5/4 | <b>019036</b> 50  |
| 5-pole | STA 2.5/5 | <b>016606</b> 50  |
| 8-pole | STA 2.5/8 | <b>016616</b> 50  |

#### Test plug/Socket

Plug-test socket without using QL for TS 32

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| StB 14 | <b>016860</b> | 50   |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| StB 14 | <b>016860</b> | 50   |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| StB 14 | <b>016860</b> | 50   |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| PS 2.3 | <b>018040</b> | 20   |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| PS 2.3 | <b>018040</b> | 20   |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| PS 2.3 | <b>018040</b> | 20   |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| PS 2.3 | <b>018040</b> | 20   |

#### Insulation sleeve

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| IH 2.8 | <b>038606</b> | 100  |
| IH 6.3 | <b>038626</b> | 100  |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| IH 2.8 | <b>038606</b> | 100  |
| IH 6.3 | <b>038626</b> | 100  |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| IH 2.8 | <b>038606</b> | 100  |
| IH 6.3 | <b>038626</b> | 100  |

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| IH 2.8 | <b>038606</b> | 100  |
| IH 6.3 | <b>038626</b> | 100  |

#### Marking tags

| Type                   | Cat. No. | Qty.            |
|------------------------|----------|-----------------|
| Consecutive horizontal | FW 6.5   | <b>046816</b> - |
| Consecutive vertical   |          |                 |

| Type                   | Cat. No. | Qty.            |
|------------------------|----------|-----------------|
| Consecutive horizontal | FW 6     | <b>046866</b> - |
| Consecutive vertical   |          |                 |

| Type                   | Cat. No. | Qty.            |
|------------------------|----------|-----------------|
| Consecutive horizontal | FW 6     | <b>046866</b> - |
| Consecutive vertical   |          |                 |

| Type                   | Cat. No. | Qty.            |
|------------------------|----------|-----------------|
| Consecutive horizontal | FW 6.5   | <b>046816</b> - |
| Consecutive vertical   |          |                 |

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> with Insulation sleeve

<sup>2)</sup> Shock-proof with ADP4 cover profile (see page 3/23)

## Feed-through terminals with tab connection

## Disconnect terminals with tab connection

### SAK 4 S

### SAK 4 SS

### SAKR F



#### Dimensions

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

6,5/40/51,5  
12 mm/M 3/3,5 x 0,6

6,5/40/51,5

6,5/42/40,5/54,5 (open)  
8 mm/M 3/3,5 x 0,6

#### Rated data

Rated voltage / current / cross-section  
Rated impulse voltage VDE 0110/1.89/Pollution severity

500 V/16 A/2,5/1,0 mm<sup>2</sup>  
6 kV/3

500 V/16 A/2,5/1,0 mm<sup>2</sup>  
6 kV/3

250 V/10 A/4/1,0 mm<sup>2</sup>  
6 kV/3

#### Further technical data

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

0,5...1,0  
2

0,5...1,0  
1

#### Clampable conductor

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size

0,33...6  
1,5...4  
0,5...4  
0,5...4  
A 4

0,5...4  
1,5...4  
0,5...4  
0,5...2,5  
A 3

Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

(QL 2...10) 36

(QL 2...10) 36

(QB 2...25) 10

#### UL / CSA rated data

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

300 V/13 A/26...12 AWG  
300 V/13 A/26...12 AWG

300 V/13 A/18...14 AWG  
300 V/13 A/18...14 AWG

300 V/15 A/26...10 AWG

#### Ordering data

##### Version

Slotted KrG  
Blue, slotted KrG  
Slotted PA  
Unslotted KrG  
Blue, unslotted KrG  
Unslotted PA

|  | Cat. No. | Qty. |
|--|----------|------|
|  | 040122   | 100  |
|  | 040126   | 100  |
|  | 047952   | 100  |

|  | Cat. No. | Qty. |
|--|----------|------|
|  | 047962   | 100  |
|  | 047967   | 100  |
|  | 047966   | 100  |
|  | 035292   | 100  |
|  | 035297   | 100  |

|  | Cat. No. | Qty. |
|--|----------|------|
|  | 066366   | 100  |
|  |          |      |
|  |          |      |

Block of 10, slotted with marking 1-9 PA

#### End plate/partition/small partition (thickness mm)

KrG  
blue KrG  
PA  
PA  
HP  
HP  
Only for PA



| Type     | Cat. No. | Qty. |
|----------|----------|------|
| AP (1,5) | 011792   | 20   |
| PA (1,5) | 011796   | 20   |
| PA (1,5) | 013016   | 20   |
| HP (1,0) | 029710   | 20   |

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| AP (1,5) | 011792   | 20   |
| AP (1,5) | 011797   | 20   |
| AP (1,5) | 011796   | 20   |
| TW (1,5) | 013016   | 20   |
| TW (1,0) | 029710   | 20   |

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| AP (1,5) | 021136   | 20   |
| TW (1,0) | 029710   | 20   |

#### Cross-connection

2-pole  
3-pole  
4-pole  
10-pole  
25-pole  
QL  
QB 4  
BS M 3 x 4,5  
BS M 3 x 24



|            |        |     |
|------------|--------|-----|
| QL 2       | 013060 | 100 |
| QL 3       | 013070 | 100 |
| QL 4       | 013080 | 50  |
| QL 10      | 033820 | 20  |
| BS M 3x4,5 | 159321 | 100 |

|            |        |     |
|------------|--------|-----|
| QL 2       | 013060 | 100 |
| QL 3       | 013070 | 100 |
| QL 4       | 013080 | 50  |
| QL 10      | 033820 | 20  |
| BS M 3x4,5 | 159321 | 100 |

|              |        |     |
|--------------|--------|-----|
| QB 2*        | 048270 | 100 |
| QB 3*        | 048280 | 50  |
| QB 4*        | 048290 | 50  |
| QB 25 blank* | 013400 | 20  |

#### Plug adapter

2-pole  
3-pole  
4-pole  
5-pole  
8-pole  
clips into PA version of AST3 and AST4 only



#### Test plug/Socket

Plug-test socket without using QL for TS 32



#### Insulation sleeve



|        |        |     |
|--------|--------|-----|
| IH 2.8 | 038606 | 100 |
| IH 6.3 | 038626 | 100 |

|        |        |     |
|--------|--------|-----|
| IH 2.8 | 038606 | 100 |
| IH 6.3 | 038626 | 100 |

|        |        |     |
|--------|--------|-----|
| PS 2.3 | 018040 | 20  |
| IH 2.8 | 038606 | 200 |

#### Marking tags

1 2 3 4 5 6  
Consecutive horizontal  
Consecutive vertical

|        |        |   |
|--------|--------|---|
| FW 6.5 | 046816 | - |
|--------|--------|---|

|        |        |   |
|--------|--------|---|
| FW 6.5 | 046816 | - |
|--------|--------|---|

|        |        |   |
|--------|--------|---|
| FW 6.5 | 046816 | - |
|--------|--------|---|

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> With insulation sleeve

\* The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used

# Feed-through terminals with tab connection

## DK 4 S

## DK 4 S 2,8 only



### Dimensions

Width / length / height (mm) with TS 32   
 Insulation stripping length/clamping screw/screwdriver blade

|                    |                    |
|--------------------|--------------------|
| 6/54/59,5          | 6/54/59,5          |
| 9 mm/M 3/3,5 x 0,6 | 9 mm/M 3/3,5 x 0,6 |

### Rated data

|  |                                    |  |
|--|------------------------------------|--|
| Rated voltage / current / cross-section                | 400 V/2 x 10/4/1,0 mm <sup>2</sup> | 400 V/2 x 10/4/2,5/1,0 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity | 6 kV/3                             | 6 kV/3                                 |

### Further technical data

|  |              |           |
|--|--------------|-----------|
| Tightening torque range                        | Nm 0,5...1,0 | 0,5...1,0 |
| Torque setting with DMS 2 electric screwdriver | 2            | 2         |



### Clampable conductor

|                                      |                         |         |
|--------------------------------------|-------------------------|---------|
| solid H07V-U                         | mm <sup>2</sup> 0,5...4 | 0,5...4 |
| stranded H07V-R                      | mm <sup>2</sup> 1,5...4 | 1,5...4 |
| flexible H07V-K                      | mm <sup>2</sup> 0,5...4 | 0,5...4 |
| flexible H07V-K and AEH DIN 46 228/1 | mm <sup>2</sup> 0,5...4 | 0,5...4 |
| Plug gauge according to 947-1        | Size A 3                | A 3     |

|   |                  |                |
|---|------------------|----------------|
| Continuous current of terminal block for conductor size |                  |                |
| Continuous current rating of cross-connection 2-pole    | A (QL 2...10) 20 | (QL 2...10) 20 |
| Continuous current rating of cross-connection multipole | A                |                |

### UL / CSA rated data

|                                    |                            |                        |
|------------------------------------|----------------------------|------------------------|
| Voltage / current / conductor size | UL 300 V/10 A/22...12 AWG  | 300 V/10 A/22...12 AWG |
| Voltage / current / conductor size | CSA 300 V/10 A/22...12 AWG | 300 V/10 A/22...12 AWG |

| Ordering data | Version | Cat. No.  | Qty.              | Cat. No.  | Qty.              |
|---------------|---------|---|-------------------|---|-------------------|
|               | PA      |  | <b>063126</b> 100 |  | <b>063116</b> 100 |

### End plate (thickness mm)

| Type | Cat. No. | Qty.             | Type | Cat. No. | Qty.             |
|------|----------|------------------|------|----------|------------------|
| PA   | AP (1,5) | <b>063136</b> 20 | PA   | AP (1,5) | <b>063136</b> 20 |

### Partition

|    |             |                  |             |                  |
|----|-------------|------------------|-------------|------------------|
| HP | TW HP (2,0) | <b>060700</b> 20 | TW HP (2,0) | <b>060700</b> 20 |
|----|-------------|------------------|-------------|------------------|

### Small partition

|  |        |                   |        |                   |
|--|--------|-------------------|--------|-------------------|
|  | TSch 6 | <b>019026</b> 100 | TSch 6 | <b>019026</b> 100 |
|--|--------|-------------------|--------|-------------------|

### Cross-connection

|         |      |                  |      |                  |
|---------|------|------------------|------|------------------|
| 2-pole  | Q 2  | <b>033640</b> 50 | Q 2  | <b>033640</b> 50 |
| 3-pole  | Q 3  | <b>033650</b> 50 | Q 3  | <b>033650</b> 50 |
| 4-pole  | Q 4  | <b>033660</b> 50 | Q 4  | <b>033660</b> 50 |
| 10-pole | Q 10 | <b>036860</b> 20 | Q 10 | <b>036860</b> 20 |

### Test plug/Socket

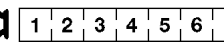
|                                   |         |                  |         |                  |
|-----------------------------------|---------|------------------|---------|------------------|
| Plug-test socket without using QL | StB 8.5 | <b>021570</b> 50 | StB 8.5 | <b>021570</b> 50 |
| Plug-test socket for use with QL  |         |                  |         |                  |

|    |        |                  |    |        |                  |
|----|--------|------------------|----|--------|------------------|
| PS | PS 2.3 | <b>018040</b> 20 | PS | PS 2.3 | <b>018040</b> 20 |
|----|--------|------------------|----|--------|------------------|

### Insulation sleeve

|        |                   |        |                   |
|--------|-------------------|--------|-------------------|
| IH 2.8 | <b>038606</b> 100 | IH 2.8 | <b>038606</b> 100 |
| IH 6.3 | <b>038626</b> 100 |        |                   |

### Marking tags

| Print   | Consecutive horizontal | Cat. No.        | Consecutive vertical | Cat. No.        |
|---|------------------------|-----------------|----------------------|-----------------|
|  | FW 6                   | <b>046866</b> - | FW 6                 | <b>046866</b> - |

For further accessories see section 3, further marking material see section 8

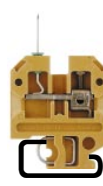
) with Insulation sleeve

**Feed-through terminals  
for wrap termination DIN 41 611, Part 2  
and  
for spring clip termination DIN 41 611,  
Part 4**

**SAK 2.5 T**  
Pin 1 x 1

**SAK 2.5 T**  
Pin 0,8 x 1,6

**SAK 2.5 T**  
Pin 0,8 x 2,4



**Dimensions**

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

6/36,5/47,5/67  
12 mm/M 2,5/3,5 x 0,6

6/36,5/47,5/62  
12 mm/M 2,5/3,5 x 0,6

6/36,5/47,5/69  
12 mm/M 2,5/3,5 x 0,6

**Rated data**

Rated voltage / current / cross-section  
Rated impulse voltage VDE 0110/1.89/Pollution severity

250 V/8 A/2,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/2,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/2,5 mm<sup>2</sup>  
4 kV/3

**Further technical data**

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

0,4...0,7  
1

0,4...0,7  
1

0,4...0,7  
1

**Clampable conductor**

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size  
Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

0,5...6  
0,5...2,5  
0,5...4  
0,5...2,5  
A 3  
(Q 2...10) 27

0,5...6  
0,5...2,5  
0,5...4  
0,5...2,5  
A 3  
(Q 2...10) 27

0,5...6  
0,5...2,5  
0,5...4  
0,5...2,5  
A 3  
(Q 2...10) 27

**UL / CSA rated data**

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

300 V/10 A/22...12 AWG

300 V/10 A/22...12 AWG

300 V/10 A/22...12 AWG

**Ordering information**

| Pin                     | Version          | Cr  | Cat. No.                   | Qty. |
|-------------------------|------------------|-----|----------------------------|------|
| <br>Horizontal assembly | Right            | KrG | <b>010852</b>              | 100  |
|                         | Horizontal left  | KrG |                            |      |
|                         | Horizontal right | KrG |                            |      |
|                         | Vertical left    | KrG |                            |      |
|                         | Vertical right   | KrG |                            |      |
| <br>Vertical assembly   | 2x vertical      | KrG |                            |      |
|                         | right            | PA  | <b>010856<sup>1)</sup></b> | 100  |

| Cr | Cat. No. | Qty. |
|----|----------|------|
|    |          |      |
|    |          |      |
|    |          |      |
|    |          |      |
|    |          |      |
|    |          |      |

| Cr | Cat. No.      | Qty. |
|----|---------------|------|
|    | <b>051842</b> | 100  |
|    | <b>048592</b> | 100  |
|    | <b>047882</b> | 100  |
|    | <b>069362</b> | 100  |
|    |               |      |
|    |               |      |
|    |               |      |

| Cr | Cat. No.      | Qty. |
|----|---------------|------|
|    |               |      |
|    | <b>068702</b> | 100  |
|    | <b>037102</b> | 100  |
|    | <b>048502</b> | 100  |
|    |               |      |
|    |               |      |
|    |               |      |

**End plate (thickness mm)**

| Type | Cat. No.               | Qty. |
|------|------------------------|------|
| KrG  | AP (1,5) <b>027952</b> | 20   |
| PA   | AP (1,5) <b>027956</b> | 20   |

| Type | Cat. No.               | Qty. |
|------|------------------------|------|
| KrG  | AP (1,5) <b>027952</b> | 20   |
| PA   | AP (1,5) <b>027956</b> | 20   |

| Type | Cat. No.               | Qty. |
|------|------------------------|------|
| KrG  | AP (1,5) <b>027952</b> | 20   |
| PA   | AP (1,5) <b>027956</b> | 20   |

| Type | Cat. No.               | Qty. |
|------|------------------------|------|
| KrG  | AP (1,5) <b>027952</b> | 20   |
| PA   | AP (1,5) <b>027956</b> | 20   |

**Partition (thickness mm)**

| Type | Cat. No.               | Qty. |
|------|------------------------|------|
| KrG  | TW (2,5) <b>030282</b> | 20   |
| PA   | TW (1,5) <b>030286</b> | 20   |
| HP   | TW (0,5) <b>019710</b> | 20   |
| HP   | TW (2,0) <b>060700</b> | 20   |

| Type | Cat. No.               | Qty. |
|------|------------------------|------|
| KrG  | TW (2,5) <b>030282</b> | 20   |
| PA   | TW (1,5) <b>030286</b> | 20   |
| HP   | TW (0,5) <b>019710</b> | 20   |
| HP   | TW (2,0) <b>060700</b> | 20   |

| Type | Cat. No.               | Qty. |
|------|------------------------|------|
| KrG  | TW (2,5) <b>030282</b> | 20   |
| PA   | TW (1,5) <b>030286</b> | 20   |
| HP   | TW (0,5) <b>019710</b> | 20   |
| HP   | TW (2,0) <b>060700</b> | 20   |

| Type | Cat. No.               | Qty. |
|------|------------------------|------|
| KrG  | TW (2,5) <b>030282</b> | 20   |
| PA   | TW (1,5) <b>030286</b> | 20   |
| HP   | TW (0,5) <b>019710</b> | 20   |
| HP   | TW (2,0) <b>060700</b> | 20   |

**Small partition**

| Type | Cat. No.             | Qty. |
|------|----------------------|------|
|      | TSch 1 <b>031916</b> | 100  |

| Type | Cat. No.             | Qty. |
|------|----------------------|------|
|      | TSch 1 <b>031916</b> | 100  |

| Type | Cat. No.             | Qty. |
|------|----------------------|------|
|      | TSch 1 <b>031916</b> | 100  |

| Type | Cat. No.             | Qty. |
|------|----------------------|------|
|      | TSch 1 <b>031916</b> | 100  |

**Cross-connection**

| Type    | Cat. No.           | Qty. |
|---------|--------------------|------|
| 2-pole  | Q 2 <b>033700</b>  | 50   |
| 3-pole  | Q 3 <b>033710</b>  | 50   |
| 4-pole  | Q 4 <b>033720</b>  | 50   |
| 10-pole | Q 10 <b>036870</b> | 20   |

| Type    | Cat. No.           | Qty. |
|---------|--------------------|------|
| 2-pole  | Q 2 <b>033700</b>  | 50   |
| 3-pole  | Q 3 <b>033710</b>  | 50   |
| 4-pole  | Q 4 <b>033720</b>  | 50   |
| 10-pole | Q 10 <b>036870</b> | 20   |

| Type    | Cat. No.           | Qty. |
|---------|--------------------|------|
| 2-pole  | Q 2 <b>033700</b>  | 50   |
| 3-pole  | Q 3 <b>033710</b>  | 50   |
| 4-pole  | Q 4 <b>033720</b>  | 50   |
| 10-pole | Q 10 <b>036870</b> | 20   |

| Type    | Cat. No.             | Qty. |
|---------|----------------------|------|
| 2-pole  | Q 2** <b>033700</b>  | 50   |
| 3-pole  | Q 3** <b>033710</b>  | 50   |
| 4-pole  | Q 4** <b>033720</b>  | 50   |
| 10-pole | Q 10** <b>036870</b> | 20   |

**Test plug/Socket**

| Type | Cat. No.                      | Qty. |
|------|-------------------------------|------|
| PS   | PS 2.3 <b>018040</b>          | 20   |
| StB  | StB 8.5 (ø 2,3) <b>028060</b> | 50   |

| Type | Cat. No.                      | Qty. |
|------|-------------------------------|------|
| PS   | PS 2.3 <b>018040</b>          | 20   |
| StB  | StB 8.5 (ø 2,3) <b>028060</b> | 50   |

| Type | Cat. No.                      | Qty. |
|------|-------------------------------|------|
| PS   | PS 2.3 <b>018040</b>          | 20   |
| StB  | StB 8.5 (ø 2,3) <b>028060</b> | 50   |

| Type | Cat. No.                      | Qty. |
|------|-------------------------------|------|
| PS   | PS 2.3 <b>018040</b>          | 20   |
| StB  | StB 8.5 (ø 2,3) <b>028060</b> | 50   |

**Marking tags**

| Type  | Cat. No.           | Qty. |
|-------|--------------------|------|
| Print | FW 6 <b>046866</b> | -    |

| Type  | Cat. No.           | Qty. |
|-------|--------------------|------|
| Print | FW 6 <b>046866</b> | -    |

| Type  | Cat. No.           | Qty. |
|-------|--------------------|------|
| Print | FW 6 <b>046866</b> | -    |

| Type  | Cat. No.           | Qty. |
|-------|--------------------|------|
| Print | FW 6 <b>046866</b> | -    |

For further accessories see section 3, further marking material see section 8

<sup>2)</sup> Shock-proof with ADP4 cover profile (see page 3/23)

\*\* not for type 2x vertical

## Feed-through terminals

### Disconnect terminals for wrap connection DIN 41 611, Part 2 and for spring clip connection DIN 41 611, Part 4

#### DK 4 T

#### DK 4 T

#### DK 4 T

#### SAKRT



#### Dimensions

Width / length / height (mm) with TS 32   
 Insulation stripping length/clamping screw/screwdriver blade

6/50/58,5/75,5  
9 mm/M 3/3,5 x 0,6

6/50/60,5/77,5  
9 mm/M 3/3,5 x 0,6

6/50/67,5/84,5  
9 mm/M 3/3,5 x 0,6

6/42/40,5/54,5  
8 mm/M 3/3,5 x 0,6

#### Rated data

Rated voltage / current / cross-section  
 Rated impulse voltage VDE 0110/1.89/Pollution severity

250 V/8 A/4 mm<sup>2</sup>  
4 kV/3

250 V/10 A/4 mm<sup>2</sup>  
4 kV/3

250 V/10 A/4 mm<sup>2</sup>  
4 kV/3

250 V/6/8 A/4 mm<sup>2</sup>  
4 kV/3

#### Further technical data

Tightening torque range Nm  
 Torque setting with DMS 2 electric screwdriver

0,5...1,0  
1

0,5...1,0  
1

0,5...1,0  
1

0,5...1,0  
2

#### Clampable conductor

solid H07V-U mm<sup>2</sup>  
 stranded H07V-R mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
 Plug gauge according to 947-1 Size

0,5...4  
1,5...4  
0,5...4  
0,5...4  
A3

0,5...4  
1,5...4  
0,5...4  
0,5...4  
A3

0,5...4  
1,5...4  
0,5...4  
0,5...4  
A3

0,5...6  
1,5...4  
0,5...4  
0,5...4  
A3

Continuous current of terminal block for conductor size  
 Continuous current rating of cross-connection 2-pole A  
 Continuous current rating of cross-connection multipole A

(Q 2...10) 20  
(Q 2...10) 20

(Q 2...10) 20  
(Q 2...10) 20

(Q 2...10) 20  
(Q 2...10) 20

(QB 2...10) 10  
(QB 2...10) 10

#### UL / CSA rated data

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

-  
-

-  
-

-  
-

-  
-

#### Ordering information

| Pin              | Type    | Cat. No.                   | Qty. |
|------------------|---------|----------------------------|------|
| Right            | PA      | <b>053656</b>              | 50   |
| Left             | PA      |                            |      |
| Horizontal right | PA      |                            |      |
| Horizontal right | Blue PA |                            |      |
| Vertical right   | PA      |                            |      |
| Vertical right   | Blue PA |                            |      |
| Vertical         | PA      |                            |      |
| Vertical left    | PA      |                            |      |
| Right            | PA      | <b>139846<sup>1)</sup></b> | 50   |
| Horizontal right | PA      |                            |      |
| Vertical right   | PA      |                            |      |

| Pin              | Type    | Cat. No.                   | Qty. |
|------------------|---------|----------------------------|------|
| Right            | PA      | <b>053656</b>              | 50   |
| Left             | PA      |                            |      |
| Horizontal right | PA      |                            |      |
| Horizontal right | Blue PA | <b>037046<sup>1)</sup></b> | 50   |
| Vertical right   | PA      | <b>037048<sup>1)</sup></b> | 50   |
| Vertical right   | Blue PA |                            |      |
| Vertical         | PA      |                            |      |
| Vertical left    | PA      | <b>068586<sup>1)</sup></b> | 50   |
| Right            | PA      | <b>139846<sup>1)</sup></b> | 50   |
| Horizontal right | PA      | <b>139856<sup>1)</sup></b> | 50   |
| Vertical right   | PA      | <b>139866<sup>1)</sup></b> | 50   |

| Pin              | Type    | Cat. No.                   | Qty. |
|------------------|---------|----------------------------|------|
| Right            | PA      | <b>053656</b>              | 50   |
| Left             | PA      |                            |      |
| Horizontal right | PA      |                            |      |
| Horizontal right | Blue PA | <b>037046<sup>1)</sup></b> | 50   |
| Vertical right   | PA      | <b>037036<sup>1)</sup></b> | 50   |
| Vertical right   | Blue PA |                            |      |
| Vertical         | PA      |                            |      |
| Vertical left    | PA      | <b>068586<sup>1)</sup></b> | 50   |
| Right            | PA      | <b>139846<sup>1)</sup></b> | 50   |
| Horizontal right | PA      | <b>139876<sup>1)</sup></b> | 50   |
| Vertical right   | PA      | <b>139886<sup>1)</sup></b> | 50   |

| Pin              | Type    | Cat. No.                   | Qty. |
|------------------|---------|----------------------------|------|
| Right            | PA      | <b>053656</b>              | 50   |
| Left             | PA      |                            |      |
| Horizontal right | PA      |                            |      |
| Horizontal right | Blue PA |                            |      |
| Vertical right   | PA      | <b>052776<sup>1)</sup></b> | 50   |
| Vertical right   | Blue PA |                            |      |
| Vertical         | PA      |                            |      |
| Vertical left    | PA      |                            |      |
| Right            | PA      | <b>139846<sup>1)</sup></b> | 50   |
| Horizontal right | PA      | <b>139876<sup>1)</sup></b> | 50   |
| Vertical right   | PA      | <b>139886<sup>1)</sup></b> | 50   |

| Pin              | Type    | Cat. No.                   | Qty. |
|------------------|---------|----------------------------|------|
| Right            | PA      | <b>053656</b>              | 50   |
| Left             | PA      |                            |      |
| Horizontal right | PA      |                            |      |
| Horizontal right | Blue PA |                            |      |
| Vertical right   | PA      |                            |      |
| Vertical right   | Blue PA |                            |      |
| Vertical         | PA      |                            |      |
| Vertical left    | PA      |                            |      |
| Right            | PA      | <b>139846<sup>1)</sup></b> | 50   |
| Horizontal right | PA      | <b>139876<sup>1)</sup></b> | 50   |
| Vertical right   | PA      | <b>139886<sup>1)</sup></b> | 50   |

DK 4 QT bridgeable on both levels

#### End plate / partition (thickness mm)

| Type    | Cat. No. | Qty.             |
|---------|----------|------------------|
| PA      | AP (1,5) | <b>035926</b> 20 |
| Blue PA | AP (1,5) | <b>035928</b> 20 |
|         | TW (2,0) | <b>060700</b> 20 |

| Type    | Cat. No. | Qty.             |
|---------|----------|------------------|
| PA      | AP (1,5) | <b>035926</b> 20 |
| Blue PA | AP (1,5) | <b>035928</b> 20 |
|         | TW (2,0) | <b>060700</b> 20 |

| Type    | Cat. No. | Qty.             |
|---------|----------|------------------|
| PA      | AP (1,5) | <b>035926</b> 20 |
| Blue PA | AP (1,5) | <b>035928</b> 20 |
|         | TW (2,0) | <b>060700</b> 20 |

| Type    | Cat. No. | Qty.             |
|---------|----------|------------------|
| PA      | AP (1,5) | <b>035926</b> 20 |
| Blue PA | AP (1,5) | <b>035928</b> 20 |
|         | TW (2,0) | <b>060700</b> 20 |

| Type    | Cat. No. | Qty.             |
|---------|----------|------------------|
| PA      | AP (1,5) | <b>021136</b> 20 |
| Blue PA | AP (1,5) | <b>035928</b> 20 |
|         | TW (2,0) | <b>060700</b> 20 |

#### Small partition

TSch 4 TSch 4 **036336** 100

TSch 4 **036336** 100

TSch 4 **036336** 100

TSch 4 **036336** 100

TSch 4 **036336** 100

#### Cross-connection/Covers

| Type    | Cat. No. | Qty.              |
|---------|----------|-------------------|
| 2-pole  | Q 2      | <b>033640</b> 50  |
| 3-pole  | Q 3      | <b>033650</b> 50  |
| 4-pole  | Q 4      | <b>033660</b> 50  |
| 10-pole | Q 10     | <b>036860</b> 20  |
|         | QB 2*    | <b>048270</b> 100 |
|         | QB 3*    | <b>048280</b> 50  |
|         | QB 4*    | <b>048290</b> 50  |
| 25-pole |          |                   |

| Type    | Cat. No. | Qty.              |
|---------|----------|-------------------|
| 2-pole  | Q 2      | <b>033640</b> 50  |
| 3-pole  | Q 3      | <b>033650</b> 50  |
| 4-pole  | Q 4      | <b>033660</b> 50  |
| 10-pole | Q 10     | <b>036860</b> 20  |
|         | QB 2*    | <b>048270</b> 100 |
|         | QB 3*    | <b>048280</b> 50  |
|         | QB 4*    | <b>048290</b> 50  |
| 25-pole |          |                   |

| Type    | Cat. No. | Qty.              |
|---------|----------|-------------------|
| 2-pole  | Q 2      | <b>033640</b> 50  |
| 3-pole  | Q 3      | <b>033650</b> 50  |
| 4-pole  | Q 4      | <b>033660</b> 50  |
| 10-pole | Q 10     | <b>036860</b> 20  |
|         | QB 2*    | <b>048270</b> 100 |
|         | QB 3*    | <b>048280</b> 50  |
|         | QB 4*    | <b>048290</b> 50  |
| 25-pole |          |                   |

| Type    | Cat. No. | Qty.              |
|---------|----------|-------------------|
| 2-pole  | Q 2      | <b>033640</b> 50  |
| 3-pole  | Q 3      | <b>033650</b> 50  |
| 4-pole  | Q 4      | <b>033660</b> 50  |
| 10-pole | Q 10     | <b>036860</b> 20  |
|         | QB 2*    | <b>048270</b> 100 |
|         | QB 3*    | <b>048280</b> 50  |
|         | QB 4*    | <b>048290</b> 50  |
| 25-pole |          |                   |

| Type    | Cat. No. | Qty.              |
|---------|----------|-------------------|
| 2-pole  | Q 2      | <b>033640</b> 50  |
| 3-pole  | Q 3      | <b>033650</b> 50  |
| 4-pole  | Q 4      | <b>033660</b> 50  |
| 10-pole | Q 10     | <b>036860</b> 20  |
|         | QB 2*    | <b>048270</b> 100 |
|         | QB 3*    | <b>048280</b> 50  |
|         | QB 4*    | <b>048290</b> 50  |
| 25-pole |          |                   |

#### Test plug/Socket

Plug-test socket without using QL StB 8.5 (ø 2,3) **021570** 50

StB 8.5 (ø 2,3) **021570** 50

StB 8.5 (ø 2,3) **021570** 50

StB 8.5 (ø 2,3) **021570** 50

StB 8.5 (ø 2,3) **021570** 50

PS PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

#### Marking tags

Consecutive horizontal  
 Consecutive vertical

dekafix 6 **046866** -

dekafix 6 **046866** -

dekafix 6 **046866** -

dekafix 6 **046866** -

For further accessories see section 3, further marking material see section 8

\* The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used  
 \*\* Only to be used with PA versions

<sup>1)</sup> Shock-proof with ADP4 cover profile (see page 3/23)

# Rack mounted interface system

# AVR 4/10



## Version

Block\* of 10 plates fitted with pins and an empty plate which acts as the end plate. The plates can be mounted as desired for larger numbers of poles. The AVR blocks listed here are coded from 1 to 9. The 10th. plate is free for decade markings.

\* Block length = 72.05 mm

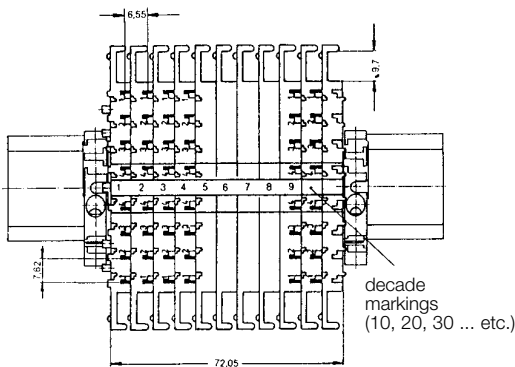
Nominal voltage according to DIN 0110  
Insulation group C

| Pin dimensions | Grid dim. in mm |        |
|----------------|-----------------|--------|
| mm             | 6.55            | 7.62   |
| 0.6 x 0.6      | 380 V~          | 380 V~ |
| 1.0 x 1.0      | 380 V~          | 380 V~ |
| 0.8 x 1.6      | 380 V~          | 380 V~ |
| 0.8 x 2.4      | 250 V~          | 380 V~ |

## Applications

Interface system for use in 19" cabinets whose doors can only be opened outwards. Primarily decentralised arrangement, i.e. next to electronic modules. The pin arrangement allows operation from the front. The individual conductors with 8 colour codes from stranded cables can be systematically connected to 8 pins respectively. The pins are matched via a beige/yellow colour code. The block designation is performed by coordinates. Markings 1 to 9 and the decade markings are in the direction of mounting. For the markings 1 to 4 per level, see the diagram below.

Side tabs assign the individual conductors to the respective level.



## Dimensions

Width / length / height (mm) with TS 32 6,55/39/60/86  
Insulation stripping length/clamping screw/screwdriver blade

## Rated data

Rated voltage / current / cross-section 250 V/4/6 A  
Rated impulse voltage VDE 0110/1.89/Pollution severity 4 kV/3

## Further technical data

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

## Clampable conductor

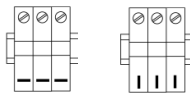
solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size  
Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

## UL / CSA rated data

Voltage / current / conductor size UL -  
Voltage / current / conductor size CSA -

## Ordering data/Pin version (internal)

Vertical 0.8 x 1.6  
Horizontal 0.8 x 1.6  
Vertical 0.8 x 2.4  
Horizontal 0.8 x 2.4  
0.8 x 2.4 on 1 x 1



Horizontal assembly  
Vertical assembly

## Plug adapter

|  | Cat. No.      | Qty. |
|--|---------------|------|
|  | <b>046376</b> | 8    |
|  | <b>046366</b> | 8    |
|  | <b>046396</b> | 8    |
|  | <b>046386</b> | 8    |
|  | <b>049796</b> | 8    |

Additional versions available on request

| Type  | Cat. No.      | Qty. |
|-------|---------------|------|
| DSA 1 | <b>057606</b> | 50   |

## Marking tags

dekafix 5 FW 10, 20, 30, 40 etc.

**013266**

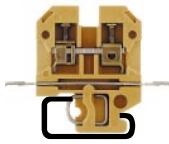
## Feed-through terminals

### Disconnect terminals

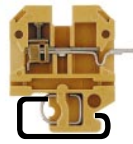
#### with solder connection

## SAK 2.5/M.LS

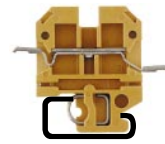
with Screen lug



## SAK 2.5 L



## SAK 2.5 LL



## SAKR L



#### Dimensions

Width / length / height (mm) with TS 32   
 Insulation stripping length/clamping screw/screwdriver blade

|                       |                       |           |                         |
|-----------------------|-----------------------|-----------|-------------------------|
| 6/60/46,5             | 6/44,5/46,5           | 6/55/46,5 | 6,5/50/40,5/54,5 (open) |
| 12 mm/M 2,5/3,5 x 0,6 | 12 mm/M 2,5/3,5 x 0,6 |           | 8 mm/M 3/3,5 x 0,6      |

#### Rated data

|  |                                    |                                    |                                |                                  |
|--|------------------------------------|------------------------------------|--------------------------------|----------------------------------|
| Rated voltage / current / cross-section                | 250 V/20 A/2,5/1,5 mm <sup>2</sup> | 250 V/20 A/2,5/1,5 mm <sup>2</sup> | 250 V/20 A/1,5 mm <sup>2</sup> | 250 V/10 A/4/1,5 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity | 4 kV/3                             | 4 kV/3                             | 4 kV/3                         | 4 kV/3                           |

#### Further technical data

|  |    |           |           |           |
|--|----|-----------|-----------|-----------|
| Tightening torque range                        | Nm | 0,4...0,7 | 0,4...0,7 | 0,5...1,0 |
| Torque setting with DMS 2 electric screwdriver |    | 1         | 1         | 2/1       |

#### Clampable conductor

|                                      |                 |           |           |           |
|--------------------------------------|-----------------|-----------|-----------|-----------|
| solid H07V-U                         | mm <sup>2</sup> | 0,5...6   | 0,5...6   | 0,5...4   |
| stranded H07V-R                      | mm <sup>2</sup> | 0,5...2,5 | 0,5...2,5 | 0,5...4   |
| flexible H07V-K                      | mm <sup>2</sup> | 0,5...4   | 0,5...4   | 0,5...4   |
| flexible H07V-K and AEH DIN 46 228/1 | mm <sup>2</sup> | 0,5...2,5 | 0,5...2,5 | 0,5...2,5 |
| Plug gauge according to 947-1        | Size            | A 3       | A 3       | A 3       |

|   |   |               |               |               |                |
|---|---|---------------|---------------|---------------|----------------|
| Continuous current of terminal block for conductor size |   | (Q 2...10) 27 | (Q 2...10) 27 | (Q 2...10) 27 | (QB 2...25) 10 |
| Continuous current rating of cross-connection 2-pole    | A |               |               |               |                |
| Continuous current rating of cross-connection multipole | A |               |               |               |                |

#### UL / CSA rated data

|                                    |     |                        |                        |                        |                        |
|------------------------------------|-----|------------------------|------------------------|------------------------|------------------------|
| Voltage / current / conductor size | UL  | 300 V/10 A/22...12 AWG | -                      | -                      | 300 V/10 A/22...12 AWG |
| Voltage / current / conductor size | CSA | 300 V/10 A/22...12 AWG | 300 V/10 A/22...12 AWG | 300 V/10 A/26...12 AWG | 300 V/10 A/22...12 AWG |

#### Ordering data

| Type     | Cat. No.      | Qty. | Type     | Cat. No.                   | Qty. | Type     | Cat. No.                   | Qty. | Type | Cat. No.       | Qty. |
|----------|---------------|------|----------|----------------------------|------|----------|----------------------------|------|------|----------------|------|
| KrG      | <b>030912</b> | 100  | KrG      | <b>035142</b>              | 100  | KrG      | <b>032362</b>              | 100  |      |                |      |
| Blue KrG |               |      | Blue KrG | <b>035147</b>              | 100  | Blue KrG | <b>032367</b>              | 100  |      |                |      |
| KrS      |               |      |          |                            |      |          |                            |      |      |                |      |
| PA       |               |      |          | <b>035146<sup>1)</sup></b> | 100  |          | <b>032366<sup>1)</sup></b> | 100  |      | <b>041236</b>  | 100  |
| Blue PA  |               |      |          |                            |      |          |                            |      |      |                |      |
| KrG      |               |      |          | <b>054412*</b>             | 100  |          |                            |      |      |                |      |
| KrS      |               |      |          | <b>054413*</b>             | 100  |          |                            |      |      |                |      |
| PA       |               |      |          | <b>054416<sup>1)</sup></b> | 100  |          |                            |      |      | <b>041246*</b> | 100  |
| Blue PA  |               |      |          |                            |      |          |                            |      |      | <b>041248*</b> | 100  |

#### End plate / partition (thickness mm)

| Type     | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.                       |
|----------|----------|---------------|------|----------|---------------|------|----------|---------------|------|----------|----------------------------|
| KrG      | AP (1,5) | <b>030922</b> | 20   | AP (1,5) | <b>030922</b> | 20   | AP (1,5) | <b>030922</b> | 20   |          |                            |
| Blue KrG | AP (1,5) | <b>030927</b> | 20   | AP (1,5) | <b>030927</b> | 20   | AP (1,5) | <b>030927</b> | 20   |          |                            |
| PA       |          |               |      | AP (1,5) | <b>027956</b> | 20   | AP (1,5) | <b>027956</b> | 20   | AP (1,5) | <b>021136<sup>1)</sup></b> |
| Blue PA  |          |               |      |          |               |      |          |               |      | AP (1,5) | <b>021138</b>              |
| PA       | TW (1,5) | <b>030286</b> | 20   | TW (1,5) | <b>030286</b> | 20   | TW (1,5) | <b>030286</b> | 20   |          |                            |
| HP       | TW (1,0) | <b>029710</b> | 20   | TW (1,0) | <b>029710</b> | 20   | TW (1,0) | <b>029710</b> | 20   |          |                            |
| HP       | TW (2,0) | <b>060700</b> | 20   | TW (2,0) | <b>060700</b> | 20   | TW (2,0) | <b>060702</b> | 20   | TW (2,0) | <b>060700</b>              |

#### Small partition

|        |               |     |        |               |     |        |               |     |  |  |  |
|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|--|--|--|
| TSch 1 | <b>031916</b> | 100 | TSch 1 | <b>031916</b> | 100 | TSch 1 | <b>031916</b> | 100 |  |  |  |
|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|--|--|--|

#### Cross-connection

|         |      |               |    |      |               |    |      |               |    |               |               |     |
|---------|------|---------------|----|------|---------------|----|------|---------------|----|---------------|---------------|-----|
| 2-pole  | Q 2  | <b>033700</b> | 50 | Q 2  | <b>033700</b> | 50 | Q 2  | <b>033700</b> | 50 | QB 2**        | <b>048270</b> | 100 |
| 3-pole  | Q 3  | <b>033710</b> | 50 | Q 3  | <b>033710</b> | 50 | Q 3  | <b>033710</b> | 50 | QB 3**        | <b>048280</b> | 50  |
| 4-pole  | Q 4  | <b>033720</b> | 50 | Q 4  | <b>033720</b> | 50 | Q 4  | <b>033720</b> | 50 | QB 4**        | <b>048290</b> | 50  |
| 10-pole | Q 10 | <b>036870</b> | 20 | Q 10 | <b>036870</b> | 20 | Q 10 | <b>036870</b> | 20 |               |               |     |
| 25-pole |      |               |    |      |               |    |      |               |    | QB 25 blank** | <b>013400</b> | 20  |

#### Test plug/Socket

|                                   |  |  |                 |               |    |                 |               |    |        |               |    |
|-----------------------------------|--|--|-----------------|---------------|----|-----------------|---------------|----|--------|---------------|----|
| Plug-test socket without using QL |  |  | StB 8.5 (ø 2,3) | <b>028060</b> | 50 | StB 8.5 (ø 2,3) | <b>028060</b> | 50 |        |               |    |
| Plug-test socket for use with QL  |  |  | StB 29.5 (ø 4)  | <b>013340</b> | 50 | StB 29.5 (ø 4)  | <b>013340</b> | 50 |        |               |    |
|                                   |  |  | PS 2.3          | <b>018040</b> | 20 | PS 2.3          | <b>018040</b> | 20 | PS 2.3 | <b>018040</b> | 20 |
|                                   |  |  | PS 4            | <b>029960</b> | 20 | PS 4            | <b>029960</b> | 20 |        |               |    |

#### Cover

|              |               |     |              |               |     |              |               |     |  |  |  |
|--------------|---------------|-----|--------------|---------------|-----|--------------|---------------|-----|--|--|--|
| AD 4         | <b>030340</b> | 50  | AD 4         | <b>030340</b> | 50  | AD 4         | <b>030340</b> | 50  |  |  |  |
| BSK M 3 x 22 | <b>012890</b> | 100 | BSK M 3 x 22 | <b>012890</b> | 100 | BSK M 3 x 22 | <b>012890</b> | 100 |  |  |  |

#### Marking tags

|   | Print                  |      |               |      |               |        |               |
|---|------------------------|------|---------------|------|---------------|--------|---------------|
|  | Consecutive horizontal | FW 6 | <b>046866</b> | FW 6 | <b>046866</b> | FW 6   | <b>046866</b> |
|   | Consecutive vertical   | FS 6 | <b>046876</b> | FS 6 | <b>046876</b> | FS 6   | <b>046876</b> |
|   |                        |      |               |      |               | FW 6.5 | <b>046816</b> |
|   |                        |      |               |      |               | FS 6.5 | <b>046826</b> |

For further accessories see section 3, further marking material see section 8

\* Solder lug on left

\*\* The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used

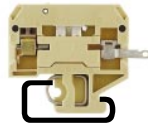
<sup>1)</sup> Shock-proof with ADP4 cover profile (see page 3/23)

## Feed-through terminals

### Disconnect terminals with solder connection

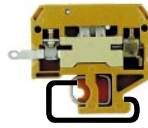
## SAKR L

with 1 x StB 6



## SAKR L

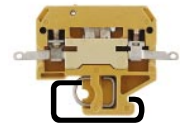
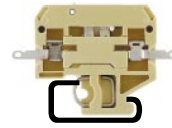
with 2 StB 6



## SAKR LL

## SAKR LL

with 2 StB 6



#### Dimensions

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

6,5/50/40,5/54,5 (open)  
8 mm/M 3/3,5 x 0,6

6,5/50/40,5/54,5 (open)  
8 mm/M 3/3,5 x 0,6

6,5/58/40,5/54,5 (open)

6,5/58/40,5/54,5 (open)

-/-/3,5 x 0,6

#### Rated data

Rated voltage / current / cross-section  
Rated impulse voltage VDE 0110/1.89/Pollution severity

250 V/10 A/4/1,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/4/1,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/1,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/1,5 mm<sup>2</sup>  
4 kV/3

#### Further technical data

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

0,5...1,0  
2/1

0,5...1,0  
1

#### Clampable conductor

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size

0,5...4  
1,5...4  
0,5...4  
0,5...2,5  
A 3

0,5...4  
1,5...4  
0,5...4  
0,5...2,5  
A 3

Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

(QB 2...25) 10

(QB 2...25) 10

#### UL / CSA rated data

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

-  
300 V/10 A/22...12 AWG

-  
-

-  
300 V/10 A/22...12 AWG

-  
300 V/10 A/22...12 AWG

#### Ordering data

Type  
KrG  
Blue KrG  
KrS  
PA  
Blue PA  
KrG  
KrS  
PA  
Blue PA

| Type | Cat. No. | Qty. |
|------|----------|------|
|      |          |      |
| PA   | 041256   | 100  |
| PA   | 041266*  | 100  |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      |          |      |
|      | 051812*  | 100  |
| PA   | 051816*  | 100  |
| PA   | 057266   | 100  |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      |          |      |
| PA   | 046446   | 100  |
| PA   | 046448   | 100  |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      |          |      |
| PA   | 029422   | 100  |
| PA   | 029426   | 100  |

#### End plate / partition (thickness mm)



KrG  
Blue KrG  
PA  
Blue PA  
PA  
HP  
HP

| Type | Cat. No. | Qty. |
|------|----------|------|
| PA   | 021136   | 20   |
| PA   | 021138   | 20   |
| HP   | 060700   | 20   |

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| AP (1,5) | 021132   | 20   |
| AP (1,5) | 021136   | 20   |
| AP (1,5) | 021138   | 20   |
| TW (0,5) | 047470   | 20   |
| TW (2,0) | 060700   | 20   |

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| AP (1,5) | 021132   | 20   |
| AP (1,5) | 021136   | 20   |
| AP (1,5) | 021138   | 20   |
| TW (0,5) | 047470   | 20   |
| TW (2,0) | 060700   | 20   |

| Type     | Cat. No. | Qty. |
|----------|----------|------|
| AP (1,5) | 021132   | 20   |
| AP (1,5) | 021136   | 20   |
| AP (1,5) | 021138   | 20   |
| TW (0,5) | 047470   | 20   |
| TW (2,0) | 060700   | 20   |

#### Small partition



#### Cross-connection



2-pole  
3-pole  
4-pole  
10-pole  
25-pole

|               |        |     |
|---------------|--------|-----|
| QB 2**        | 048270 | 100 |
| QB 3**        | 048280 | 50  |
| QB 4**        | 048290 | 50  |
| QB 25 blank** | 013400 | 20  |

|               |        |     |
|---------------|--------|-----|
| QB 2**        | 048270 | 100 |
| QB 3**        | 048280 | 50  |
| QB 4**        | 048290 | 50  |
| QB 25 blank** | 013400 | 20  |

#### Test plug/Socket

Plug-test socket without using QL  
Plug-test socket for use with QL



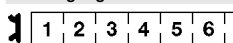
|        |        |    |
|--------|--------|----|
| PS 2.3 | 018040 | 20 |
|--------|--------|----|

|        |        |    |
|--------|--------|----|
| PS 2.3 | 018040 | 20 |
|--------|--------|----|

|        |        |    |
|--------|--------|----|
| PS 2.3 | 018040 | 20 |
|--------|--------|----|

#### Cover

#### Marking tags



Print  
Consecutive horizontal  
Consecutive vertical

|        |        |
|--------|--------|
| FW 6.5 | 046816 |
| FS 6.5 | 046826 |

|        |        |
|--------|--------|
| FW 6.5 | 046816 |
| FS 6.5 | 046826 |

|        |        |
|--------|--------|
| FW 6.5 | 046816 |
| FS 6.5 | 046826 |

|        |        |
|--------|--------|
| FW 6.5 | 046816 |
| FS 6.5 | 046826 |

For further accessories see section 3, further marking material see section 8

\* Solder lug on left  
\*\* The conductor cross-section for the screw connection is reduced to 2,5 mm<sup>2</sup> when QB is used

**TAL**

2 solder connections



**TAL**

4 solder connections



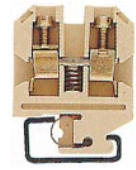
**Ceramic feed-through terminals**

for use in high temperature ranges up to max. 210 °C

**SAKK 4**



**SAKK 10**



4/48/36/50 (open)      4/54/36/50 (open)

63 V/10 A/1,5 mm<sup>2</sup>      63 V/10 A/1,5 mm<sup>2</sup>  
1,5 kV/3      1,5 kV/3

Cat. No. Qty.      Cat. No. Qty.

**021206** 100      **030496** 100

Type Cat. No. Qty.      Type Cat. No. Qty.

AP (1,5) **021226** 20      AP (1,5) **021226** 20

TW (0,5) **047470** 20      TW (0,5) **047470** 20

TW (1,0) **029710** 20      TW (2,0) **060700** 20

on request      on request  
on request      on request

**Dimensions**

Width / length / height (mm)      with TS 32

Insulation stripping length/clamping screw/screwdriver blade

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

Rated voltage / current / cross-section

**Further technical data**

**Clampable conductor**

solid mm<sup>2</sup>      mm<sup>2</sup>  
stranded

Plug gauge according to 947-1      Size  
Continuous current of cross-connection for conductor size      35 A/6 mm<sup>2</sup>  
Continuous current rating of cross-connection 2-pole      A 36  
Continuous current rating of cross-connection multipole      A 36

**UL / CSA rated data**

Voltage / current / conductor size      UL 600 V/30 A/22...10 AWG  
Voltage / current / conductor size      CSA 600 V/36 A/26...10 AWG

**Ordering data**

**Version**  
Ceramic

8/40/53      11,5/40/53

12 mm/M 3/3,5 x 0,6      12 mm/M 4/5,5 x 1,0

800 V/32 A/4 mm<sup>2</sup>      800 V/57 A/10 mm<sup>2</sup>

0,5...6 mm<sup>2</sup>      2,5...16 mm<sup>2</sup>  
0,5...4 mm<sup>2</sup>      2,5...10 mm<sup>2</sup>

A 4      B 6  
35 A/6 mm<sup>2</sup>      63 A/16 mm<sup>2</sup>  
36      47  
36      36

UL 600 V/30 A/22...10 AWG      600 V/55 A/14...16 AWG  
CSA 600 V/36 A/26...10 AWG      600 V/65 A/14...16 AWG

| Type   | Cat. No.      | Qty. | Type    | Cat. No.      | Qty. |
|--------|---------------|------|---------|---------------|------|
| SAKK 4 | <b>159808</b> | 50   | SAKK 10 | <b>159809</b> | 50   |

**End plate (Thickness 3 mm)**



| Type         | Cat. No.      | Qty. | Type         | Cat. No.      | Qty. |
|--------------|---------------|------|--------------|---------------|------|
| AP/SAKK 4/10 | <b>950263</b> | 10   | AP/SAKK 4/10 | <b>950263</b> | 10   |

**Cross-connection**

QL 2  
 QL 3  
 QL 4

Connecting sleeve  
Attachment screw

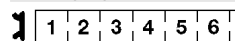
| Type          | Cat. No.      | Qty. | Type          | Cat. No.      | Qty. |
|---------------|---------------|------|---------------|---------------|------|
| QL 2          | <b>019430</b> | 100  | QL 2          | <b>950947</b> | 100  |
| QL 3          | <b>019440</b> | 100  | QL 3          | <b>950948</b> | 50   |
| QL 4          | <b>019450</b> | 50   | QL 4          | <b>950949</b> | 50   |
| QL 10         | <b>033830</b> | 20   | QL 10         | <b>950950</b> | 20   |
| VH 13,5       | <b>950946</b> | 100  | VH 12,5       | <b>950951</b> | 50   |
| BS (M 3 x 20) | <b>030300</b> | 100  | BS (M 3 x 20) | <b>030300</b> | 100  |

**Accessories**

Locking pin  
End bracket  
PE terminal

|          |               |          |               |
|----------|---------------|----------|---------------|
| SST 3    | <b>015270</b> | SST 3    | <b>015270</b> |
| MEW 1/32 | <b>044560</b> | MEW 1/32 | <b>044560</b> |
| EK 2     | <b>032311</b> | EK 2     | <b>032311</b> |

**Marking tags**



**Print**

Consecutive horizontal  
Consecutive vertical

For further accessories see section 3, further marking material see section 8

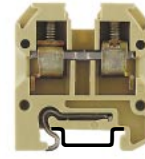
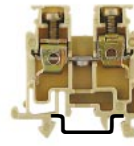
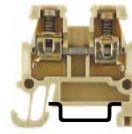
**TS 15**  
**Feed-through terminals**  
**PE terminals**  
**Fuse terminals**  
**Disconnect terminals**

**AKZ 1.5**  
**AKZ 1.5/10**

**AKZ 2.5**

**AKZ 4**  
**AKZ 4/10**

**AKZ 4** for test adapter  
**AKZ 4/10** for test adapter



|  |                 |                                   |                                    |                                   |                                       |
|--|-----------------|-----------------------------------|------------------------------------|-----------------------------------|---------------------------------------|
| Max. Technical Data  |                 | 21,5 A / 2,5 mm <sup>2</sup>      | 26 A / 4 mm <sup>2</sup>           | 38,5 A / 6 mm <sup>2</sup>        | 38,5 A / 6 mm <sup>2</sup>            |
| <b>Dimensions</b>  |                 |                                   |                                    |                                   |                                       |
| Width / length / height (mm)   | with TS 15      | 5/25/25                           | 5/25,5/27                          | 6/27/30                           | 60/27/30                              |
| Insulation stripping length/clamping screw/screwdriver blade         |                 | 7 mm/M 2,5/3,0 x 0,5              | 7 mm/M 2,5/3,0 x 0,5               | 9 mm/M 3/3,5 x 0,6                | 9 mm/M 3/3,5 x 0,6                    |
| <b>VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1</b>              |                 |                                   |                                    |                                   |                                       |
| Rated voltage / current / cross-section                              |                 | 400 V/17,5 A/1,5 mm <sup>2</sup>  | 250 V/24 A/2,5 mm <sup>2</sup>     | 500 V/32 A/4 mm <sup>2</sup>      | 500 V/32 A/4 mm <sup>2</sup>          |
| Rated impulse voltage / Pollution severity                           |                 | 6 kV/3                            | 4 kV/3                             | 6 kV/3                            | 6 kV/3                                |
| <b>Further technical data</b>  |                 |                                   |                                    |                                   |                                       |
| Tightening torque range  | Nm              | 0,4...0,7                         | 0,4...0,7                          | 0,5...1,0                         | 0,5...1,0                             |
| Torque setting with DMS 2 electric screwdriver                       |                 | 1                                 | 1                                  | 2                                 | 2                                     |
| <b>Clampable conductor</b>   |                 |                                   |                                    |                                   |                                       |
| solid H07V-U   | mm <sup>2</sup> | 0,5...2,5                         | 0,5...4                            | 0,5...6                           | 0,5...6                               |
| stranded H07V-R  | mm <sup>2</sup> | 1,5                               | 1,5...2,5                          | 1,5...4                           | 1,5...4                               |
| flexible H07V-K  | mm <sup>2</sup> | 0,5...1,5                         | 0,5...2,5                          | 0,5...4                           | 0,5...4                               |
| flexible H07V-K and AEH DIN 46 228/1                                 | mm <sup>2</sup> | 0,5...1,5                         | 0,5...2,5                          | 0,5...4                           | 0,5...4                               |
| flexible H07V-K and AEH with plastic collar                          | mm <sup>2</sup> | 0,5...1,5                         | 0,5...2,5                          | 0,5...4                           | 0,5...4                               |
| Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988 | Size            | 0,2...2,5 / A 1                   | 0,13...4,0 / A 3                   | 0,2...6,0 / A 3                   | 0,2...6,0 / A 3                       |
| Continuous current rating of cross-connection 2-pole                 | A               | 10                                | 20                                 | 20                                | 20                                    |
| Continuous current rating of cross-connection multipole              | A               | 10                                | 20                                 | 20                                | 20                                    |
| <b>UL / CSA rated data</b>   |                 |                                   |                                    |                                   |                                       |
| Voltage / current / conductor size                                   | UL              | 150 V/15 A/22...14 AWG            | 300 V/10 A/22...12 AWG             | 300 V/27A/22...12 AWG             | 300V/27 A/22...12 AWG                 |
| Voltage / current / conductor size                                   | CSA             | 300 V/10 A/24...16 AWG            | 300 V/10 A/26...10 AWG             | 300 V/10 A/24...12 AWG            | 300 V/10 A/24...12 AWG                |
| <b>Ordering data</b>   | Type            | TS 15                             | TS 15                              | TS 15                             | TS 15                                 |
|  | KrG             |                                   |                                    |                                   |                                       |
|  | PA              | <b>034046</b> 100                 | (with spigot) <b>069716</b> 100    | <b>029432</b> 100                 | for test adapter <b>153826</b> 100    |
|  | Blue PA         | <b>034048</b> 100                 | (with spigot) <b>069718</b> 100    | <b>029438</b> 100                 |                                       |
|  | PA              | (10pol.w/o.mrk.) <b>035806</b> 10 | (without spigot) <b>017596</b> 100 | (10pol.w/o.mrk.) <b>035956</b> 10 | w. mark./f. test ad. <b>148936</b> 10 |
|  | PA              | (10pol.w. mrk.) <b>035816</b> 10  | AKZ 2.5 with AP <b>038586</b> 50   | (10pol.w. mrk.) <b>035966</b> 1   | ATA 1, 1-pole <b>163253</b> 25        |
|  |                 |                                   |                                    |                                   | ATA 1, 10-pole <b>163324</b> 5        |

<sup>1)</sup>Test adapter ATA 1...

|   |                |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
|---|----------------|-----------------------------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|-------------|---------------|---------------|-----|
| <b>End plate</b> (thickness mm)   | Type           | Cat. No.                          | Qty.          | Type          | Cat. No. | Qty.          | Type          | Cat. No.      | Qty.          | Type          | Cat. No.    | Qty.          |               |     |
|   | KrG            |                                   |               |               |          |               | AP (1,5)      | <b>029442</b> | 20            |               |             |               |               |     |
|   | PA             | AP (1,5)                          | <b>034056</b> | 50            | AP (2,5) | <b>069736</b> | 50            | AP (1,5)      | <b>029446</b> | 20            | AP (1,5)    | <b>029446</b> | 20            |     |
|   | Blue PA        |                                   |               |               | AP (2,5) | <b>069738</b> | 50            | AP (1,5)      | <b>029448</b> | 20            |             |               |               |     |
| <b>Partition</b> (thickness mm)   | KrG            |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
|   | PA             |                                   |               |               | TW (1,5) | <b>031856</b> | 20            |               |               |               |             |               |               |     |
|   | Blue PA        |                                   |               |               | TW (1,5) | <b>031858</b> | 20            |               |               |               |             |               |               |     |
| <b>Small partition</b>  | PA             |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
|   |                |                                   |               |               |          |               |               | TSch 4        | <b>036336</b> | 100           | TSch 4      | <b>036336</b> | 100           |     |
| <b>Cross-connection</b>   |                |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
|   |                | Q 2                               | <b>036820</b> | 50            | Q 2      | <b>036820</b> | 50            | Q 2           | <b>033640</b> | 50            | Q 2         | <b>033640</b> | 50            |     |
|   |                | Q 3                               | <b>036830</b> | 50            | Q 3      | <b>036830</b> | 50            | Q 3           | <b>033650</b> | 50            | Q 3         | <b>033650</b> | 50            |     |
|   |                | Q 4                               | <b>036840</b> | 50            | Q 4      | <b>036840</b> | 50            | Q 4           | <b>033660</b> | 50            | Q 4         | <b>033660</b> | 50            |     |
|   |                | Q 5                               | <b>066030</b> | 20            | Q 5      | <b>066030</b> | 20            |               |               |               |             |               |               |     |
|   |                | Q 10                              | <b>036850</b> | 20            | Q 10     | <b>036850</b> | 20            | Q 10          | <b>036860</b> | 20            | Q 10        | <b>036860</b> | 20            |     |
| <b>Switchable cross-connection link</b>                                     |                |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
|   |                |                                   |               |               |          |               |               | VL 2          | <b>044670</b> | 50            | VL 2        | <b>044670</b> | 50            |     |
|   | VL             |                                   |               |               |          |               |               | VH 10         | <b>044660</b> | 100           | VH 10       | <b>044660</b> | 100           |     |
|   | BS             |                                   |               |               |          |               |               | BS M 2,5x14   | <b>026680</b> | 100           | BS M 2,5x14 | <b>026680</b> | 100           |     |
|   | VH             |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
| <b>Cover/cover profile</b> for shock protection*<br>(see also on page 3/23) |                |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
|   |                |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
| <b>Test plug/Socket</b>   |                |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
|   | StB            | Plug-test socket without using QL | StB 8.5       | <b>021570</b> | 50       | StB 8.5       | <b>021570</b> | 50            | StB 8.5       | <b>021570</b> | 50          | StB 8.5       | <b>021570</b> | 50  |
|   | PS             |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
|   | contact sleeve |                                   | PS 2.3        | <b>018040</b> | 20       | PS 2.3        | <b>018040</b> | 20            | PS 2.3        | <b>018040</b> | 20          | PS 2.3        | <b>018040</b> | 20  |
| <b>Marking tags</b>   | <b>Print</b>   |                                   |               |               |          |               |               |               |               |               |             |               |               |     |
|   |                | Consecutive horizontal            | FW 5          | <b>047346</b> | 500      | FW 5          | <b>047346</b> | 500           | FW 6          | <b>046866</b> | 500         | FW 6          | <b>046866</b> | 500 |
|   |                | Consecutive vertical              | FS 5          | <b>047356</b> | 500      | FS 5          | <b>047356</b> | 500           | FS 6          | <b>046876</b> | 500         | FS 6          | <b>046876</b> | 500 |

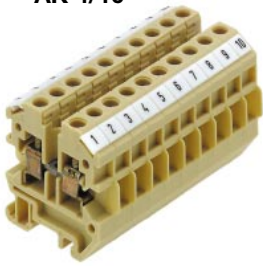
For further accessories see section 3, further marking material see section 8 u. 8

\* For PA terminals only

<sup>1)</sup> Test adapter with crimped cables available on request

<sup>2)</sup> 300 mm long

**AK 4**  
**AK 4/10**



38,5 A / 6 mm<sup>2</sup>

|                                   |
|-----------------------------------|
| 60/32/34                          |
| 9 mm/M 3/3,5 x 0,6                |
| 690 V/32 A/4 mm <sup>2</sup>      |
| 8 kV/3                            |
| 0,5...1,0                         |
| 2                                 |
| 0,5...6                           |
| 1,5...4                           |
| 0,5...4                           |
| 0,5...4                           |
| 0,5...4                           |
| 0,2...6.0 / A 3                   |
| 20                                |
| 20                                |
| 600 V/27 A/22...12 AWG            |
| 600 V/20 A/24...12 AWG            |
| TS 15                             |
| <b>048956</b> 100                 |
| (10pol.w/o.mrk.) <b>036656</b> 10 |
| (10pol.w. mrk.) <b>046956</b> 10  |
| Type Cat. No. Qty.                |
| BB 3 (8,0) <b>036666</b> 50       |
| Combined AP + end bracket         |
| TW/AP (1,5) <b>133176</b> 20      |
| TSch 4 <b>036336</b> 100          |
| Q 2 <b>036900</b> 50              |
| Q 3 <b>036910</b> 50              |
| Q 4 <b>036920</b> 50              |
| Q 10 <b>036930</b> 20             |
| AD 4 <b>030340</b> 50             |
| BSK M 2,5x18 <b>030330</b> 100    |
| StB 8.5 <b>021570</b> 50          |
| PS 2.3 <b>018040</b> 20           |
| FW 6 <b>046866</b> 500            |
| FS 6 <b>046876</b> 500            |

**AKE 2.5**



|                               |
|-------------------------------|
| 5/28/27                       |
| 7 mm/M 2,5/3,0 x 0,5          |
| <b>IEC 947-7-2</b>            |
| 250 V**/-/2,5 mm <sup>2</sup> |
| 4 kV/3                        |
| 0,4...0,7                     |
| 1                             |
| 0,5...4                       |
| 1,5...2,5                     |
| 0,5...2,5                     |
| 0,5...2,5                     |
| 0,5...2,5                     |
| 0,13...4.0 / A 3              |
| -/-/22...12 AWG               |
| -/-/26...12 AWG               |
| TS 15                         |
| <b>130336</b> 100             |
| (Green/yellow)                |
| Type Cat. No. Qty.            |
| FW 5 <b>047346</b> 500        |
| FS 5 <b>047356</b> 500        |

**AKE 4**



|                             |
|-----------------------------|
| 7/32/34                     |
| 9 mm/M 3/3,5 x 0,6          |
| <b>IEC 947-7-2</b>          |
| 690 V**/-/4 mm <sup>2</sup> |
| 8 kV/3                      |
| 0,5...1,0                   |
| 2                           |
| 0,5...4                     |
| 1,5...4                     |
| 0,5...4                     |
| 0,5...2,5                   |
| 0,5...2,5                   |
| 0,13...4.0 / A 3            |
| -/-/22...12 AWG             |
| -/-/26...12 AWG             |
| TS 15                       |
| <b>038026</b> 100           |
| (Green/yellow)              |
| Type Cat. No. Qty.          |
| FW 6,5 <b>046816</b> 500    |
| FS 6,5 <b>046826</b> 500    |

**AKE 4 MS**



|                       |
|-----------------------|
| 7/27,5/30             |
| 9 mm/M 3/3,5 x 0,6    |
| -/-/4 mm <sup>2</sup> |
| 0,8...1,6             |
| 3                     |
| 0,5...4               |
| 1,5...4               |
| 0,5...4               |
| 0,5...4               |
| 0,5...4               |
| 0,5...4.0 / A 3       |
| -                     |
| -/-/22...14 AWG       |
| TS 15                 |
| <b>021120</b> 50      |
| Type Cat. No. Qty.    |

**ASK 1**



|   |
|---|
| 8/58/34   |
| 9 mm/M 3/3,5 x 0,6  |
| 500 V/6,3 A/4 mm <sup>2</sup>   |
| 6 kV/3  |
| 0,5...1,0   |
| 2   |
| 0,5...4   |
| 1,5...4   |
| 0,5...4   |
| 0,5...2,5   |
| 0,5...2,5   |
| 0,13...4.0 / A 3  |
| (QB 2...4) 10   |
| 300 V/10 A/22...12 AWG  |
| 300 V/6,3 A/26...12 AWG   |
| TS 15   |
| <b>037686</b> 100   |
| 5 x 20 without indicator  |
| Type Cat. No. Qty.  |
| AP (1,5) <b>038036</b> 20   |
| QB 2 <sup>1)</sup> insul. <b>046110</b> 50  |
| QB 3 <sup>1)</sup> insul. <b>046120</b> 50  |
| QB 4 <sup>1)</sup> insul. <b>046130</b> 50  |
| 3-pole ganging with SchS 2, marking tag carrier, clipped onto three disconnect levers (Cat. No. <b>033740</b> ) |
| contact sleeve <b>055330</b> 100  |
| FW 6.5 <b>046816</b> 500  |
| FS 6.5 <b>046826</b> 500  |

**SAKR**  
with 2 sockets or  
with 2 clamping screws



|   |
|---|
| 6,5/42/45                                   |
| 8 mm/M 3/3,5 x 0,6                          |
| 400 V <sup>2)</sup> /10 A/4 mm <sup>2</sup> |
| 6 kV/3                                      |
| 0,5...1,0                                   |
| 2   |
| 0,5...4                                     |
| 1,5...4                                     |
| 0,5...4                                     |
| 0,5...4                                     |
| 0,13...4.0 / A 3                            |
| (QB 2...4) 10                               |
| 300 V/10 A/22...12 AWG                      |
| 300 V/10 A/26...12 AWG                      |
| TS 15                                       |
| with 2 StB <b>041286</b> 100                |
| w. clamp. scrw. <b>041276</b> 100           |
| Type Cat. No. Qty.                          |
| AP (1,5) <b>021136</b> 20                   |
| QB 2 <sup>1)</sup> insul. <b>048270</b> 50  |
| QB 3 <sup>1)</sup> insul. <b>048280</b> 50  |
| QB 4 <sup>1)</sup> insul. <b>048290</b> 50  |
| QB 25 <sup>1)</sup> blank <b>013400</b> 20  |
| PS 2.3 <b>018040</b> 20                     |
| FW 6.5 <b>046816</b> 500                    |
| FS 6.5 <b>046826</b> 500                    |

<sup>1)</sup> rated voltage between PE and feed-through to VDE 0110/1.89

<sup>1)</sup> The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used

<sup>2)</sup> With contact sleeve 19 A

<sup>2)</sup> As disconnect terminal, rated voltage 250 V

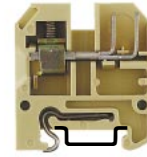
**Feed-through terminals**  
**Tab connection**  
**Solder connection**

**AKZ 4 SS**

**AKZ 4 SS**

**AKZ 4 S**

**AKZ 4 SF**



**Dimensions**

|                              |            |             |             |         |         |
|------------------------------|------------|-------------|-------------|---------|---------|
| Width / length / height (mm) | with TS 15 | 6/28,5/30,5 | 6/28,5/30,5 | 6/27/30 | 6/27/30 |
|------------------------------|------------|-------------|-------------|---------|---------|

|  |  |  |  |                    |                    |
|--|--|--|--|--------------------|--------------------|
| Insulation stripping length/clamping screw/screwdriver blade |  |  |  | 9 mm/M 3/3,5 x 0,6 | 9 mm/M 3/3,5 x 0,6 |
|--|--|--|--|--------------------|--------------------|

|  |  |                                 |                             |                               |                               |
|--|--|---------------------------------|-----------------------------|-------------------------------|-------------------------------|
| <b>Rated data</b>                                      |  |                                 |                             |                               |                               |
| Rated voltage/rated current/rated cross-section        |  | 400 V/8 A/2,5/1 mm <sup>2</sup> | 400 V/8 A/1 mm <sup>2</sup> | 400 V/8 A/4/1 mm <sup>2</sup> | 400 V/8 A/4/1 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity |  | 6 kV/3                          | 6 kV/3                      | 6 kV/3                        | 6 kV/3                        |

|  |    |  |  |           |           |
|--|----|--|--|-----------|-----------|
| <b>Further technical data</b>                  |    |  |  |           |           |
| Tightening torque range                        | Nm |  |  | 0,5...1,0 | 0,5...1,0 |
| Torque setting with DMS 2 electric screwdriver |    |  |  | 2         | 2         |

|  |                 |                    |            |             |             |
|--|-----------------|--------------------|------------|-------------|-------------|
| <b>Clampable conductor</b>   |                 |                    |            |             |             |
| solid H07V-U   | mm <sup>2</sup> |                    |            | 0,5...4     | 0,5...4     |
| stranded H07V-R  | mm <sup>2</sup> |                    |            | 1,5...4     | 1,5...4     |
| flexible H07V-K  | mm <sup>2</sup> | Tab 6.3 und 2.8 mm | Tab 2.8 mm | 0,5...4     | 0,5...4     |
| flexible H07V-K and AEH DIN 46 228/1                                 | mm <sup>2</sup> |                    |            | 0,5...4     | 0,5...4     |
| flexible H07V-K and AEH with plastic collar                          | mm <sup>2</sup> |                    |            | 0,5...4     | 0,5...4     |
| Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988 | Size            |                    |            | 0,2...4/A 3 | 0,2...4/A 3 |

|   |           |   |    |    |    |    |
|---|-----------|---|----|----|----|----|
| Continuous current rating of cross-connection | 2-pole    | A | 20 | 20 | 20 | 20 |
| Continuous current rating of cross-connection | multipole | A | 20 | 20 | 20 | 20 |

|                                    |     |                        |                        |                        |                        |
|------------------------------------|-----|------------------------|------------------------|------------------------|------------------------|
| <b>UL / CSA rated data</b>         |     |                        |                        |                        |                        |
| Voltage / current / conductor size | UL  | -                      | -                      | 150 V/20 A/22...12 AWG | -                      |
| Voltage / current / conductor size | CSA | 300 V/10 A/24...12 AWG | 300 V/10 A/24...12 AWG | 300 V/10 A/24...12 AWG | 300 V/10 A/24...12 AWG |

|                      |         |       |               |      |       |               |      |       |               |      |       |               |      |
|----------------------|---------|-------|---------------|------|-------|---------------|------|-------|---------------|------|-------|---------------|------|
| <b>Ordering data</b> | Type    | TS 15 | Cat. No.      | Qty. | TS 15 | Cat. No.      | Qty. | TS 15 | Cat. No.      | Qty. | TS 15 | Cat. No.      | Qty. |
|                      | KrG     |       |               |      |       |               |      |       |               |      |       |               |      |
|                      | PA      |       | <b>032456</b> | 100  |       | <b>036246</b> | 100  |       | <b>032446</b> | 100  |       | <b>015876</b> | 100  |
|                      | Blue PA |       |               |      |       |               |      |       |               |      |       |               |      |
|                      | PA      |       |               |      |       |               |      |       |               |      |       |               |      |

|                                 |         |          |               |      |          |               |      |          |               |      |          |               |    |
|---------------------------------|---------|----------|---------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|----|
| <b>End plate (thickness mm)</b> | Type    | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          |    |
|                                 | PA      | AP (1,5) | <b>029446</b> | 20   | AP (1,5) | <b>029446</b> | 20   | AP (1,5) | <b>029446</b> | 20   | AP (1,5) | <b>029446</b> | 20 |
|                                 | PA      |          |               |      |          |               |      |          |               |      |          |               |    |
|                                 | Blue PA |          |               |      |          |               |      |          |               |      |          |               |    |
|                                 | HP      |          |               |      |          |               |      |          |               |      |          |               |    |
|                                 | HP      |          |               |      |          |               |      |          |               |      |          |               |    |
|                                 | BB      |          |               |      |          |               |      |          |               |      |          |               |    |

|                                 |      |          |               |      |          |               |      |          |               |      |          |               |    |
|---------------------------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|----|
| <b>Partition (thickness mm)</b> | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          |    |
|                                 | PA   | TW (0,5) | <b>034826</b> | 50   | TW (0,5) | <b>034826</b> | 50   | TW (0,5) | <b>034826</b> | 50   | TW (0,5) | <b>034826</b> | 50 |
|                                 | HP   |          |               |      |          |               |      |          |               |      |          |               |    |
|                                 | HP   |          |               |      |          |               |      |          |               |      |          |               |    |

|                        |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Small partition</b> |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|

|                         |      |               |    |      |               |    |      |               |    |      |               |    |
|-------------------------|------|---------------|----|------|---------------|----|------|---------------|----|------|---------------|----|
| <b>Cross-connection</b> |      |               |    |      |               |    |      |               |    |      |               |    |
|                         | Q 2  | <b>036900</b> | 50 | Q 2  | <b>036900</b> | 50 | Q 2  | <b>033640</b> | 50 | Q 2  | <b>033640</b> | 50 |
|                         | Q 3  | <b>036910</b> | 50 | Q 3  | <b>036910</b> | 50 | Q 3  | <b>033650</b> | 50 | Q 3  | <b>033650</b> | 50 |
|                         | Q 4  | <b>036920</b> | 50 | Q 4  | <b>036920</b> | 50 | Q 4  | <b>033660</b> | 50 | Q 4  | <b>033660</b> | 50 |
|                         | Q 10 | <b>036930</b> | 20 | Q 10 | <b>036930</b> | 20 | Q 10 | <b>036860</b> | 20 | Q 10 | <b>036860</b> | 20 |

|   |             |               |     |             |               |     |             |               |     |             |               |     |
|---|-------------|---------------|-----|-------------|---------------|-----|-------------|---------------|-----|-------------|---------------|-----|
| <b>Switchable cross-connection link</b> |             |               |     |             |               |     |             |               |     |             |               |     |
|   | VL 2        | <b>044670</b> | 50  | VL 2        | <b>044670</b> | 50  | VL 2        | <b>044670</b> | 50  | VL 2        | <b>044670</b> | 50  |
|   | VH 10       | <b>044660</b> | 100 | VH 10       | <b>044660</b> | 100 | VH 10       | <b>044660</b> | 100 | VH 10       | <b>044660</b> | 100 |
|   | BS M 2,5x14 | <b>026680</b> | 100 | BS M 2,5x14 | <b>026680</b> | 100 | BS M 2,5x14 | <b>026680</b> | 100 | BS M 2,5x14 | <b>026680</b> | 100 |

|                         |         |               |    |         |               |    |         |               |    |         |               |    |
|-------------------------|---------|---------------|----|---------|---------------|----|---------|---------------|----|---------|---------------|----|
| <b>Test plug/Socket</b> |         |               |    |         |               |    |         |               |    |         |               |    |
|                         | StB 8.5 | <b>021570</b> | 50 | StB 8.5 | <b>021570</b> | 50 | StB 8.5 | <b>021570</b> | 50 | StB 8.5 | <b>021570</b> | 50 |
|                         | PS 2.3  | <b>018040</b> | 20 | PS 2.3  | <b>018040</b> | 20 | PS 2.3  | <b>018040</b> | 20 | PS 2.3  | <b>018040</b> | 20 |

|              |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Cover</b> |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|--|--|--|--|--|--|

|                          |        |               |     |        |               |     |        |               |     |        |               |     |
|--------------------------|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|
| <b>Insulation sleeve</b> |        |               |     |        |               |     |        |               |     |        |               |     |
|                          | IH 2.8 | <b>038606</b> | 100 | IH 2.8 | <b>038606</b> | 100 | IH 2.8 | <b>038606</b> | 100 | IH 2.8 | <b>038606</b> | 100 |
|                          | IH 6.3 | <b>038626</b> | 100 | IH 6.3 | <b>038626</b> | 100 | IH 6.3 | <b>038626</b> | 100 | IH 6.3 | <b>038626</b> | 100 |

|                     |                        |      |               |     |      |               |     |      |               |     |      |               |     |
|---------------------|------------------------|------|---------------|-----|------|---------------|-----|------|---------------|-----|------|---------------|-----|
| <b>Marking tags</b> | <b>Print</b>           |      |               |     |      |               |     |      |               |     |      |               |     |
|                     | Consecutive horizontal | FW 6 | <b>046866</b> | 500 | FW 6 | <b>046866</b> | 500 | FW 6 | <b>046866</b> | 500 | FW 6 | <b>046866</b> | 500 |
|                     | Consecutive vertical   | FS 6 | <b>046876</b> | 500 | FS 6 | <b>046876</b> | 500 | FS 6 | <b>046876</b> | 500 | FS 6 | <b>046876</b> | 500 |

For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used with tab connections to maintain the rated voltage.



**Feed-through terminals**

**Screw connection**

**Spring clip connection** iaw. DIN 41611 Part 4

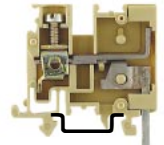
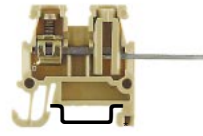
**Wrap connection** iaw. DIN/IEC 352 Part 1

**AKZ 1.5 T**

**AKZ 1.5 T**

**AKZ 1.5 T**

**AKZ 2.5 K**



\* 035786 = 45 mm

**Dimensions**

|  |                 |                               |                               |                               |                                |
|--|-----------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Width / length / height (mm)   | with TS 15      | 5/25/45                       | 5/25/39,5                     | 5/28/44                       | 5/26/46,7                      |
| Pin dimension  | mm              | 0,8 x 1,6                     | 1 x 1                         | 0,8 x 1,6                     | 0,8 x 1,6                      |
| Insulation stripping length/clamping screw/screwdriver blade         |                 | 7 mm/M 2,5/3,0 x 0,5          | 7 mm/M 2,5/3,0 x 0,5          | 7 mm/M 2,5/3,0 x 0,5          | 7 mm/M 2,5/3,0 x 0,5           |
| <b>Rated data</b>  |                 |                               |                               |                               |                                |
| Rated voltage / current / cross-section                              |                 | 125 V/8 A/1,5 mm <sup>2</sup> | 125 V/8 A/1,5 mm <sup>2</sup> | 125 V/8 A/1,5 mm <sup>2</sup> | 125 V/10 A/2,5 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity               |                 | 2,5 kV/3                      | 2,5 kV/3                      | 2,5 kV/3                      | 2,5 kV/3                       |
| <b>Further technical data</b>  |                 |                               |                               |                               |                                |
| Tightening torque range  | Nm              | 0,4...0,7                     | 0,4...0,7                     | 0,4...0,7                     | 0,4...0,7                      |
| Torque setting with DMS 2 electric screwdriver                       |                 | 1                             | 1                             | 1                             | 1                              |
| <b>Clampable conductor</b>   |                 |                               |                               |                               |                                |
| solid H07V-U   | mm <sup>2</sup> | 0,5...2,5                     | 0,5...2,5                     | 0,5...2,5                     | 0,5...4                        |
| stranded H07V-R  | mm <sup>2</sup> | 1,5                           | 1,5                           | 1,5                           | 1,5...2,5                      |
| flexible H07V-K  | mm <sup>2</sup> | 0,5...1,5                     | 0,5...1,5                     | 0,5...1,5                     | 0,5...2,5                      |
| flexible H07V-K and AEH DIN 46 228/1                                 | mm <sup>2</sup> | 0,5...1,5                     | 0,5...1,5                     | 0,5...1,5                     | 0,5...2,5                      |
| flexible H07V-K and AEH with plastic collar                          | mm <sup>2</sup> | 0,5...1,5                     | 0,5...1,5                     | 0,5...1,5                     | 0,5...2,5                      |
| Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988 | Size            | 0.13...2.5 / A1               | 0.13...2.5 / A1               | 0.13...2.5 / A1               | 0.13...4.0 / A3                |

|   |   |    |    |    |    |
|---|---|----|----|----|----|
| Continuous current rating of cross-connection 2-pole    | A | 10 | 10 | 10 | 10 |
| Continuous current rating of cross-connection multipole | A | 10 | 10 | 10 | 10 |

**UL / CSA rated data**

|                                    |     |                        |                        |                        |                        |
|------------------------------------|-----|------------------------|------------------------|------------------------|------------------------|
| Voltage / current / conductor size | UL  | 300 V/10 A/26...14 AWG | 300 V/10 A/26...14 AWG | 300 V/10 A/26...14 AWG | 300 V/10 A/26...14 AWG |
| Voltage / current / conductor size | CSA | 300 V/10 A/24...16 AWG | 300 V/10 A/24...16 AWG | 300 V/10 A/24...16 AWG | 300 V/10 A/26...10 AWG |

**Ordering information**

**Pin versions**

|                         |                      | Type      | Cat. No.      | Qty. | Type      | Cat. No.      | Qty. | Type      | Cat. No.      | Qty. | Type      | Cat. No.      | Qty. |
|-------------------------|----------------------|-----------|---------------|------|-----------|---------------|------|-----------|---------------|------|-----------|---------------|------|
| <br>Horizontal assembly | 0.6 x 0.6            | AKZ 1.5 T | <b>044256</b> | 100  | AKZ 1.5 T | <b>048366</b> | 100  | AKZ 1.5 T | <b>040046</b> | 100  | AKZ 2.5 K | <b>069626</b> | 100  |
|                         | 1.0 x 1.0            | AKZ 1.5 T | <b>035796</b> | 100  | AKZ 1.5 T | <b>035786</b> | 100  | AKZ 1.5 T | <b>040036</b> | 100  | AKZ 2.5 K | <b>069636</b> | 100  |
|                         | 0.8 x 1.6 horizontal | AKZ 1.5 W | <b>032946</b> | 100  |           |               |      | AKZ 1.5 T | <b>041036</b> | 100  | AKZ 2.5 K | <b>069646</b> | 100  |
|                         | 0.8 x 1.6 vertical   |           |               |      |           |               |      |           |               |      | AKZ 2.5 K | <b>069656</b> | 100  |
| <br>Vertical assembly   | 0.8 x 2.4 horizontal |           |               |      |           |               |      |           |               |      |           |               |      |
|                         | 0.8 x 2.4 vertical   |           |               |      |           |               |      |           |               |      |           |               |      |

**End plate (thickness mm)**

|  |    |          |               |    |          |               |    |          |               |    |          |               |    |
|--|----|----------|---------------|----|----------|---------------|----|----------|---------------|----|----------|---------------|----|
|  | PA | AP (1,5) | <b>034056</b> | 50 | AP (1,5) | <b>034056</b> | 50 | AP (1,5) | <b>034056</b> | 50 | AP (2,5) | <b>069726</b> | 50 |
|--|----|----------|---------------|----|----------|---------------|----|----------|---------------|----|----------|---------------|----|

**Partition (thickness mm)**

|  |    |  |  |  |  |  |  |  |  |  |          |               |    |
|--|----|--|--|--|--|--|--|--|--|--|----------|---------------|----|
|  | PA |  |  |  |  |  |  |  |  |  | TW (1,5) | <b>031856</b> | 20 |
|--|----|--|--|--|--|--|--|--|--|--|----------|---------------|----|

**Small partition**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

**Cross-connection**

|         |         |      |               |    |      |               |    |      |               |    |      |               |    |
|---------|---------|------|---------------|----|------|---------------|----|------|---------------|----|------|---------------|----|
| <br>Q 3 | 2-pole  | Q 2  | <b>036820</b> | 50 | Q 2  | <b>036820</b> | 50 | Q 2  | <b>036820</b> | 50 | Q 2  | <b>036820</b> | 50 |
|         | 3-pole  | Q 3  | <b>036830</b> | 50 | Q 3  | <b>036830</b> | 50 | Q 3  | <b>036830</b> | 50 | Q 3  | <b>036830</b> | 50 |
|         | 4-pole  | Q 4  | <b>036840</b> | 50 | Q 4  | <b>036840</b> | 50 | Q 4  | <b>036840</b> | 50 | Q 4  | <b>036840</b> | 50 |
|         | 10-pole | Q 10 | <b>036850</b> | 20 | Q 10 | <b>036850</b> | 20 | Q 10 | <b>036850</b> | 20 | Q 10 | <b>036850</b> | 20 |

**Switchable cross-connection link**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|



**Test plug/Socket**

|  |  |                           |         |               |    |         |               |    |         |               |    |         |               |    |
|--|--|---------------------------|---------|---------------|----|---------|---------------|----|---------|---------------|----|---------|---------------|----|
|  |  | Plug-test socket ø 2.3 mm | StB 8.5 | <b>021570</b> | 50 | StB 8.5 | <b>021570</b> | 50 | StB 8.5 | <b>021570</b> | 50 | StB 8.5 | <b>021570</b> | 50 |
|--|--|---------------------------|---------|---------------|----|---------|---------------|----|---------|---------------|----|---------|---------------|----|



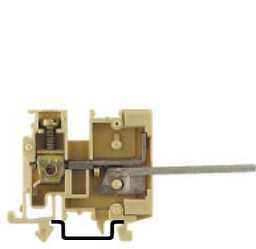
|           |                        |        |               |     |        |               |     |        |               |     |        |               |     |
|-----------|------------------------|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|--------|---------------|-----|
|           |                        | PS 2.3 | <b>018040</b> | 20  | PS 2.3 | <b>018040</b> | 20  | PS 2.3 | <b>018040</b> | 20  | PS 2.3 | <b>018040</b> | 20  |
| <br>Print | Consecutive horizontal | FW 5   | <b>047346</b> | 500 | FW 5   | <b>047346</b> | 500 | FW 5   | <b>047346</b> | 500 | FW 5   | <b>047346</b> | 500 |
|           | Consecutive vertical   | FS 5   | <b>047356</b> | 500 | FS 5   | <b>047356</b> | 500 | FS 5   | <b>047356</b> | 500 | FS 5   | <b>047356</b> | 500 |

For further accessories see section 3, further marking material see section 8

**AKZ 2.5 K**



**AKZ 2.5 K**



**AKZ 4 T**



**AKZ 4 T**



**AKZ 4 T**



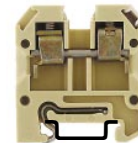
**AKZ 4 ST**



| AKZ 2.5 K                     |          |      | AKZ 2.5 K                     |          |      | AKZ 4 T                      |          |      | AKZ 4 T                      |          |      | AKZ 4 T                      |          |      | AKZ 4 ST                       |          |      |
|-------------------------------|----------|------|-------------------------------|----------|------|------------------------------|----------|------|------------------------------|----------|------|------------------------------|----------|------|--------------------------------|----------|------|
| 5/26/46,7                     |          |      | 5/47,5/27                     |          |      | 6/27/48,5                    |          |      | 6/27/50,5                    |          |      | 6/27/57,8                    |          |      | 6/27/50,2                      |          |      |
| 0,8 x 1,6                     |          |      | 0,8 x 1,6                     |          |      | 1 x 1                        |          |      | 0,8 x 1,6                    |          |      | 0,8 x 2,4                    |          |      | 0,8 x 1,6                      |          |      |
| 7 mm/M 2,5/3,0 x 0,5          |          |      | 7 mm/M 2,5/3,0 x 0,5          |          |      | 9 mm/M 3/3,5 x 0,6           |          |      | 9 mm/M 3/3,5 x 0,6           |          |      | 9 mm/M 3/3,5 x 0,6           |          |      | -                              |          |      |
| 250 V/8 A/2,5 mm <sup>2</sup> |          |      | 250 V/8 A/2,5 mm <sup>2</sup> |          |      | 250 V/10 A/4 mm <sup>2</sup> |          |      | 250 V/10 A/4 mm <sup>2</sup> |          |      | 250 V/10 A/4 mm <sup>2</sup> |          |      | 250 V/10 A/2,5 mm <sup>2</sup> |          |      |
| 4 kV/3                        |          |      | 4 kV/3                        |          |      | 4 kV/3                       |          |      | 4 kV/3                       |          |      | 4 kV/3                       |          |      | 4 kV/3                         |          |      |
| 0,4...0,7                     |          |      | 0,4...0,7                     |          |      | 0,5...1,0                    |          |      | 0,5...1,0                    |          |      | 0,5...1,0                    |          |      | -                              |          |      |
| 1                             |          |      | 1                             |          |      | 2                            |          |      | 2                            |          |      | 2                            |          |      | -                              |          |      |
| 0,5...4                       |          |      | 0,5...4                       |          |      | 0,5...4                      |          |      | 0,5...4                      |          |      | 0,5...4                      |          |      | -                              |          |      |
| 1,5...2,5                     |          |      | 1,5...2,5                     |          |      | 1,5...4                      |          |      | 1,5...4                      |          |      | 1,5...4                      |          |      | -                              |          |      |
| 0,5...2,5                     |          |      | 0,5...2,5                     |          |      | 0,5...4                      |          |      | 0,5...4                      |          |      | 0,5...4                      |          |      | -                              |          |      |
| 0,5...2,5                     |          |      | 0,5...2,5                     |          |      | 0,5...4                      |          |      | 0,5...4                      |          |      | 0,5...4                      |          |      | -                              |          |      |
| 0,5...2,5                     |          |      | 0,5...2,5                     |          |      | 0,5...4                      |          |      | 0,5...4                      |          |      | 0,5...4                      |          |      | -                              |          |      |
| 0.13...4.0 / A3               |          |      | 0.13...4.0 / A3               |          |      | 0.13...4.0 / A3              |          |      | 0.13...4.0 / A3              |          |      | 0.13...4.0 / A3              |          |      | 0.5...2.5 / -                  |          |      |
| 10                            |          |      | 10                            |          |      | 20                           |          |      | 20                           |          |      | 20                           |          |      | 20                             |          |      |
| 10                            |          |      | 10                            |          |      | 20                           |          |      | 20                           |          |      | 20                           |          |      | 20                             |          |      |
| 300 V/10 A/26...14 AWG        |          |      | 300 V/10 A/26...14 AWG        |          |      | 300 V/10 A/26...14 AWG       |          |      | 300 V/10 A/26...14 AWG       |          |      | 300 V/10 A/26...14 AWG       |          |      | -                              |          |      |
| 300 V/10 A/26...10 AWG        |          |      | 300 V/10 A/26...10 AWG        |          |      | 300 V/10 A/24...12 AWG       |          |      | 300 V/10 A/24...12 AWG       |          |      | 300 V/10 A/24...12 AWG       |          |      | -                              |          |      |
| Type                          | Cat. No. | Qty. | Type                          | Cat. No. | Qty. | Type                         | Cat. No. | Qty. | Type                         | Cat. No. | Qty. | Type                         | Cat. No. | Qty. | Type                           | Cat. No. | Qty. |
| AKZ 2.5 K                     | 069546   | 100  | AKZ 2.5 K                     | 069586   | 100  | AKZ 4 T                      | 044586   | 100  | AKZ 4 T                      | 034416   | 100  | AKZ 4 T                      | 036646   | 100  | AKZ 4 ST                       | 043926   | 100  |
| AKZ 2.5 K                     | 069556   | 100  | AKZ 2.5 K                     | 069596   | 100  |                              |          |      | AKZ 4 T                      | 034406   | 100  |                              |          |      |                                |          |      |
| AKZ 2.5 K                     | 069576   | 100  | AKZ 2.5 K                     | 069606   | 100  |                              |          |      |                              |          |      | AKZ 4 T                      | 046166   | 100  |                                |          |      |
| AKZ 2.5 K                     | 069566   | 100  | AKZ 2.5 K                     | 069616   | 100  |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
| AP (2,5)                      | 069726   | 50   | AP (2,5)                      | 069726   | 50   | AP (1,5)                     | 029446   | 20   | AP (1,5)                     | 029446   | 20   | AP (1,5)                     | 029446   | 20   | AP (1,5)                       | 029446   | 20   |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
| TW (1,5)                      | 031856   | 20   | TW (1,5)                      | 031856   | 20   | TW (1,5)                     | 034826   | 50   | TW (1,5)                     | 034826   | 50   | TW (1,5)                     | 034826   | 50   | TW (1,5)                       | 034826   | 50   |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
|                               |          |      |                               |          |      | TSch 4                       | 036336   | 100  | TSch 4                       | 036336   | 100  | TSch 4                       | 036336   | 100  |                                |          |      |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
| Q 2                           | 036820   | 50   | Q 2                           | 036820   | 50   | Q 2                          | 033640   | 50   | Q 2                          | 033640   | 50   | Q 2                          | 033640   | 50   | Q 2                            | 036900   | 50   |
| Q 3                           | 036830   | 50   | Q 3                           | 036830   | 50   | Q 3                          | 033650   | 50   | Q 3                          | 033650   | 50   | Q 3                          | 033650   | 50   | Q 3                            | 036910   | 50   |
| Q 4                           | 036840   | 50   | Q 4                           | 036840   | 50   | Q 4                          | 033660   | 50   | Q 4                          | 033660   | 50   | Q 4                          | 033660   | 50   | Q 4                            | 036920   | 50   |
| Q 10                          | 036850   | 20   | Q 10                          | 036850   | 20   | Q 10                         | 036860   | 20   | Q 10                         | 036860   | 20   | Q 10                         | 036860   | 20   | Q 10                           | 036930   | 20   |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
|                               |          |      |                               |          |      | VL 2                         | 044670   | 50   | VL 2                         | 044670   | 50   | VL 2                         | 044670   | 50   |                                |          |      |
|                               |          |      |                               |          |      | VH 10                        | 044660   | 50   | VH 10                        | 044660   | 50   | VH 10                        | 044660   | 50   |                                |          |      |
|                               |          |      |                               |          |      | BS M 2,5 x 14                | 026680   | 100  | BS M 2,5 x 14                | 026680   | 100  | BS M 2,5 x 14                | 026680   | 100  |                                |          |      |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
| StB 8.5                       | 021570   | 50   | StB 8.5                       | 021570   | 50   | StB 8.5                      | 021570   | 50   | StB 8.5                      | 021570   | 50   | StB 8.5                      | 021570   | 50   | StB 8.5                        | 021570   | 50   |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
| PS 2.3                        | 018040   | 20   | PS 2.3                        | 018040   | 20   | PS 2.3                       | 018040   | 20   | PS 2.3                       | 018040   | 20   | PS 2.3                       | 018040   | 20   | PS 2.3                         | 018040   | 20   |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
|                               |          |      |                               |          |      |                              |          |      |                              |          |      |                              |          |      |                                |          |      |
| FW 5                          | 047346   | 500  | FW 5                          | 047346   | 500  | FW 6                         | 046866   | 500  | FW 6                         | 046866   | 500  | FW 6                         | 046866   | 500  | FW 6                           | 046866   | 500  |
| FS 5                          | 047356   | 500  | FS 5                          | 047356   | 500  | FS 6                         | 046876   | 500  | FS 6                         | 046876   | 500  | FS 6                         | 046876   | 500  | FS 6                           | 046876   | 500  |

# Feed-through terminals for temperature measuring circuits

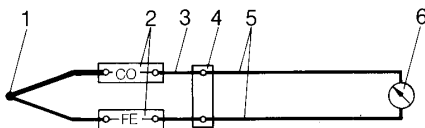
AKZ 4/TC



Weidmüller thermocouple terminals are specially designed for transmitting the smallest voltages in temperature measuring circuits. Special busbars ensure that no false signals occur in the terminal when temperature differences exist in the positive and negative path. This high measuring precision is necessary for, e.g. test beds aircraft engines, for complicated chemical processes, control, etc.

- Busbar material corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Row width 14 mm including end plate

## Configuration of a temperature measuring circuit



- 1 Thermocouple (sensor)
- 2 Thermocouple terminals
- 3 Compensating conductor
- 4 Reference point
- 5 Supply conductors (to and from)
- 6 Measuring device

The thermocouple terminals displayed in this measurement circuit are used to thermoelectrically transmit thermal e.m.f. of the thermocouple to the reference point and indicating device via the thermocouple. Thermocouple terminals are required for the construction of temperature measuring circuits.

### Technical data

Thermocouples according to IEC 584 (DIN 43 710)

|        |            |
|--------|------------|
| Busbar | Constantan |
| Iron   |            |



### Dimensions

Width / length / height (mm) with TS 15 14/27/30

Insulation stripping length/clamping screw/screwdriver blade 9 mm/M 3/3,5 x 0,6

### Rated data

Rated voltage / current / cross-section -/-/4 mm<sup>2</sup>

### Further technical data

Tightening torque range Nm 0,5...1

Torque setting with DMS 2 electric screwdriver 2

### Clampable conductor

solid H07V-U mm<sup>2</sup> 0,5...4

stranded H07V-R mm<sup>2</sup> 1,5...4

flexible H07V-K mm<sup>2</sup> 0,5...4

flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup> 0,5...2,5

flexible H07V-K and AEH with plastic collar mm<sup>2</sup> 0,5...2,5

Plug gauge according to 947-1 Size A 3

Continuous current of terminal block for conductor size

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

### UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

### Ordering information

| Version                               | TS 15 | Cat. No.          | Qty. |
|---------------------------------------|-------|-------------------|------|
| for thermocouples Type J Fe - CuNi    |       | <b>162701</b>     | 20   |
| according to IEC 584 Type T Cu - CuNi |       | <b>on request</b> |      |
| (DIN 43710) Type K NiCr - Ni          |       | <b>167713</b>     | 20   |
| Type E NiCr - CuNi                    |       | <b>on request</b> |      |

**on request**

**on request**

**on request**

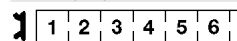
### End plate

|                       |    |          |               |    |
|-----------------------|----|----------|---------------|----|
| AP (thickness 1.5 mm) | PA | Cat. No. | <b>029446</b> | 20 |
|-----------------------|----|----------|---------------|----|

### Partition

|                       |    |          |               |    |
|-----------------------|----|----------|---------------|----|
| TW (thickness 0.5 mm) | PA | Cat. No. | <b>034826</b> | 50 |
|-----------------------|----|----------|---------------|----|

### Marking tags



### Print

Consecutive horizontal FW 6 **046866** 500

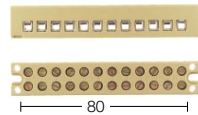
Consecutive vertical FS 6 **046876** 500

For further accessories see section 3, further marking material see section 8

# Multipole terminal blocks

## Screw connection

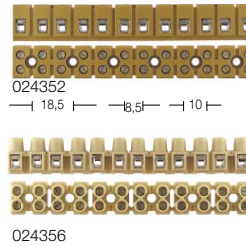
### MK 2/12



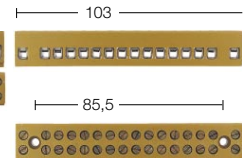
### MK 10/14



### MK 3/12



### MK 4/16



#### Dimensions

|                              |          |              |             |           |
|------------------------------|----------|--------------|-------------|-----------|
| Width / length / height (mm) | 86/15/15 | 88,5/13,5/12 | 110/15/16,1 | 103/17/16 |
|------------------------------|----------|--------------|-------------|-----------|

|  |                      |                      |                      |                      |
|--|----------------------|----------------------|----------------------|----------------------|
| Insulation stripping length/clamping screw/screwdriver blade | 5 mm/M 2,5/3,5 x 0,6 | 6 mm/M 2,5/3,5 x 0,6 | 5 mm/M 2,5/3,5 x 0,6 | 5 mm/M 2,5/3,5 x 0,6 |
|--|----------------------|----------------------|----------------------|----------------------|

|  |  |  |  |  |
|--|--|--|--|--|
| <b>Rated data VDE 0611 Part 1 / 8.92 / IEC 947-7-1</b> |  |  |  |  |
|--|--|--|--|--|

|   |                                |                                |                                |                                |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Rated voltage / current / cross-section | 125 V/24 A/2,5 mm <sup>2</sup> | 125 V/24 A/2,5 mm <sup>2</sup> | 400 V/24 A/2,5 mm <sup>2</sup> | 400 V/24 A/2,5 mm <sup>2</sup> |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|

|  |          |          |        |        |
|--|----------|----------|--------|--------|
| Rated impulse voltage VDE 0110/1.89/Pollution severity | 2,5 kV/3 | 2,5 kV/3 | 6 kV/3 | 6 kV/3 |
|--|----------|----------|--------|--------|

|                               |  |  |  |  |
|-------------------------------|--|--|--|--|
| <b>Further technical data</b> |  |  |  |  |
|-------------------------------|--|--|--|--|

|                         |              |           |           |           |
|-------------------------|--------------|-----------|-----------|-----------|
| Tightening torque range | Nm 0,4...0,6 | 0,4...0,6 | 0,4...0,6 | 0,4...0,6 |
|-------------------------|--------------|-----------|-----------|-----------|

|  |   |   |   |   |
|--|---|---|---|---|
| Torque setting with DMS 2 electric screwdriver | 1 | 1 | 1 | 1 |
|--|---|---|---|---|

|                            |  |  |  |  |
|----------------------------|--|--|--|--|
| <b>Clampable conductor</b> |  |  |  |  |
|----------------------------|--|--|--|--|

|              |                         |         |         |         |
|--------------|-------------------------|---------|---------|---------|
| solid H07V-U | mm <sup>2</sup> 0,5...4 | 0,5...4 | 0,5...4 | 0,5...4 |
|--------------|-------------------------|---------|---------|---------|

|                 |                           |           |           |           |
|-----------------|---------------------------|-----------|-----------|-----------|
| stranded H07V-R | mm <sup>2</sup> 1,5...2,5 | 1,5...2,5 | 1,5...2,5 | 1,5...2,5 |
|-----------------|---------------------------|-----------|-----------|-----------|

|                 |                           |           |           |           |
|-----------------|---------------------------|-----------|-----------|-----------|
| flexible H07V-K | mm <sup>2</sup> 0,5...2,5 | 0,5...2,5 | 0,5...2,5 | 0,5...2,5 |
|-----------------|---------------------------|-----------|-----------|-----------|

|                                      |                           |           |           |           |
|--------------------------------------|---------------------------|-----------|-----------|-----------|
| flexible H07V-K and AEH DIN 46 228/1 | mm <sup>2</sup> 0,5...1,5 | 0,5...1,5 | 0,5...1,5 | 0,5...1,5 |
|--------------------------------------|---------------------------|-----------|-----------|-----------|

|   |                           |           |           |           |
|---|---------------------------|-----------|-----------|-----------|
| flexible H07V-K and AEH with plastic collar | mm <sup>2</sup> 0,5...1,5 | 0,5...1,5 | 0,5...1,5 | 0,5...1,5 |
|---|---------------------------|-----------|-----------|-----------|

|  |                      |                 |                 |                 |
|--|----------------------|-----------------|-----------------|-----------------|
| Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988 | Size 0,2...4,0 / A 2 | 0,2...4,0 / A 2 | 0,2...4,0 / A 2 | 0,2...4,0 / A 2 |
|--|----------------------|-----------------|-----------------|-----------------|

|   |          |  |  |  |
|---|----------|--|--|--|
| Continuous current rating of cross-connection | 2-pole A |  |  |  |
|---|----------|--|--|--|

|   |             |  |  |  |
|---|-------------|--|--|--|
| Continuous current rating of cross-connection | multipole A |  |  |  |
|---|-------------|--|--|--|

|                            |  |  |  |  |
|----------------------------|--|--|--|--|
| <b>UL / CSA rated data</b> |  |  |  |  |
|----------------------------|--|--|--|--|

|                                    |                           |                        |                        |                        |
|------------------------------------|---------------------------|------------------------|------------------------|------------------------|
| Voltage / current / conductor size | UL 300 V/10 A/24...12 AWG | 150 V/25 A/22...12 AWG | 300 V/25 A/22...12 AWG | 150 V/20 A/22...12 AWG |
|------------------------------------|---------------------------|------------------------|------------------------|------------------------|

|                                    |                            |                        |                        |                        |
|------------------------------------|----------------------------|------------------------|------------------------|------------------------|
| Voltage / current / conductor size | CSA 300 V/10 A/24...12 AWG | 300 V/10 A/24...12 AWG | 300 V/25 A/22...12 AWG | 150 V/15 A/22...12 AWG |
|------------------------------------|----------------------------|------------------------|------------------------|------------------------|

|                      |                |             |                 |             |
|----------------------|----------------|-------------|-----------------|-------------|
| <b>Ordering data</b> | <b>Version</b> | <b>Type</b> | <b>Cat. No.</b> | <b>Qty.</b> |
|----------------------|----------------|-------------|-----------------|-------------|

|  |        |  |  |  |
|--|--------|--|--|--|
|  | 2-pole |  |  |  |
|--|--------|--|--|--|

|  |        |  |  |  |
|--|--------|--|--|--|
|  | 3-pole |  |  |  |
|--|--------|--|--|--|

|  |        |  |  |  |
|--|--------|--|--|--|
|  | 4-pole |  |  |  |
|--|--------|--|--|--|

|  |        |  |  |  |
|--|--------|--|--|--|
|  | 4-pole |  |  |  |
|--|--------|--|--|--|

|  |        |  |  |  |
|--|--------|--|--|--|
|  | 6-pole |  |  |  |
|--|--------|--|--|--|

|  |        |  |  |  |
|--|--------|--|--|--|
|  | 6-pole |  |  |  |
|--|--------|--|--|--|

|  |        |  |  |  |
|--|--------|--|--|--|
|  | 8-pole |  |  |  |
|--|--------|--|--|--|

|  |        |  |  |  |
|--|--------|--|--|--|
|  | 8-pole |  |  |  |
|--|--------|--|--|--|

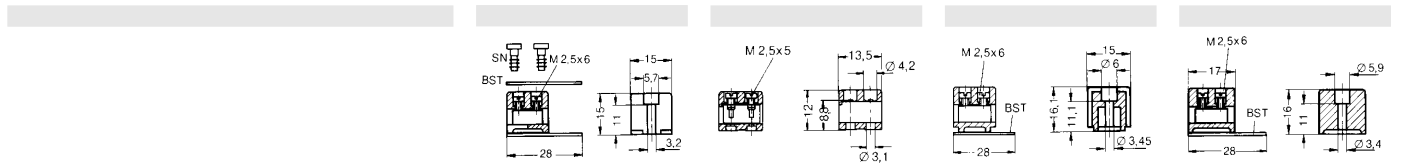
|  |         |  |  |  |
|--|---------|--|--|--|
|  | 10-pole |  |  |  |
|--|---------|--|--|--|

|  |         |            |        |    |
|--|---------|------------|--------|----|
|  | 12-pole | MK 2/12 PA | 024126 | 50 |
|--|---------|------------|--------|----|

|  |         |  |  |  |
|--|---------|--|--|--|
|  | 12-pole |  |  |  |
|--|---------|--|--|--|

|  |         |  |  |  |
|--|---------|--|--|--|
|  | 14-pole |  |  |  |
|--|---------|--|--|--|

|  |         |  |  |  |
|--|---------|--|--|--|
|  | 16-pole |  |  |  |
|--|---------|--|--|--|



The MK 10/14 can be mounted with glue or with M 3 x 12 screws through the empty terminal point aperture

\*DIN EN ISO 1207

|                                   |  |  |  |  |
|-----------------------------------|--|--|--|--|
| <b>Solder tag/expansion rivet</b> |  |  |  |  |
|-----------------------------------|--|--|--|--|

|  |         |        |    |  |
|--|---------|--------|----|--|
|  | MF 2/12 | 024176 | 50 |  |
|--|---------|--------|----|--|

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|--|----|--------|-----|--|
|  | SN | 020010 | 500 |  |
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| <b>Marking strips</b> |  |  |  |  |
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|--|---------|------------|--------|----|
|  | Printed | BSTb 28/12 | 024570 | 50 |
|--|---------|------------|--------|----|

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|  | 1 ... | Bottom |  |  |
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|  |  | BSTb 28/12 | 027850 | 50 |
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|--|-----------|------------|--------|----|
|  | Unprinted | BSTo 28/12 | 024560 | 50 |
|--|-----------|------------|--------|----|

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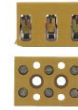
# Multipole terminal blocks Screw/tab connection

## MK 5/2

## KS 2...10

## BK 2...12

## MK 6/2...6/6



### Dimensions

Width / length / height (mm)

40/18/15,5

See table below

See table below

See table below

Insulation stripping length/clamping screw/screwdriver blade

5 mm/M 2,5/3,5 x 0,6

8 mm/M 3/4,0 x 0,8

8 mm/M 3/4,0 x 0,8

9 mm/M 4/4,0 x 0,8

### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section

500 V/24 A/2,5 mm<sup>2</sup>

500 V/24 A/2,5 mm<sup>2</sup>

400 V/32 A/4 mm<sup>2</sup>

690 V/41 A/6 mm<sup>2</sup>

Rated impulse voltage VDE 0110/1.89/Pollution severity

6 kV/3

6 kV/3

6 kV/3

8 kV/3

### Further technical data

Tightening torque range

Nm

0,4...0,6

0,5...0,8

0,5...0,8

1,2...2,0

Torque setting with DMS 2 electric screwdriver

1

2

2

4

### Clampable conductor

solid H07V-U

mm<sup>2</sup>

0,5...4

0,5...4

0,5...4

0,5...6

stranded H07V-R

mm<sup>2</sup>

1,5...2,5

1,5...2,5

1,5...4

1,5...6

flexible H07V-K

mm<sup>2</sup>

0,5...2,5

0,5...2,5

0,5...4

0,5...6

flexible H07V-K and AEH DIN 46 228/1

mm<sup>2</sup>

0,5...1,5

0,5...1,5

0,5...4

0,5...4

flexible H07V-K and AEH with plastic collar

mm<sup>2</sup>

0,5...1,5

0,5...1,2

0,5...4

0,5...4

Max. Clamping Range in mm<sup>2</sup> / Gauge pin to IEC 947-1/1988 Size

0,2...4,0 / A 2

0,2...4,0 / A 2

0,33...4,0 / A 3

0,33...6,0 / A 3

Continuous current rating of cross-connection 2-pole

A

Continuous current rating of cross-connection multipole

A

### UL / CSA rated data

Voltage / current / conductor size

UL

300 V/20 A/22...12 AWG

300 V/10 A/22...12 AWG

300 V/30 A/22...10 AWG

Voltage / current / conductor size

CSA

300 V/25 A/24...12 AWG

300 V/10 A/22...12 AWG

300 V/40 A/22...10 AWG

### Ordering data

#### Version

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

2-pole

MK 5/2 KrG **024382** 100

KS 2 KrG<sup>2</sup> **013442** 100

BK 2 KrG **019772** 50

MK 6/2 KrG **062042** 50

3-pole

BK 3 KrG **019782** 50

MK 6/3 KrG **062032** 50

4-pole

KS 4 KrG<sup>2</sup> **014032** 50

BK 4 KrG **019522** 50

MK 6/4 KrG **062022** 20

4-pole

MK 6/4 PA **062026** 20

6-pole

KS 6 KrG<sup>2</sup> **014062** 50

BK 6 KrG **019532** 50

MK 6/6 KrG **062012** 20

6-pole

MK 6/6 PA **062016** 20

8-pole

8-pole

10-pole

KS 10 KrG<sup>2</sup> **014162** 20

12-pole

Cover

D 2 (for KS 2) **013450** 100

BK 12 KrG **019892** 50

12-pole

D 2 (for MK 5/2) **024406** 50

D 4 (for KS 4) **014050** 50

D 6 (for KS 6) **014080** 50

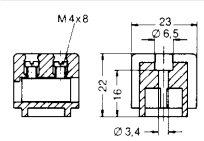
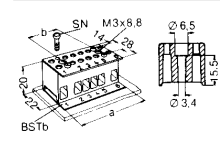
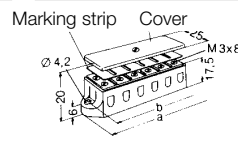
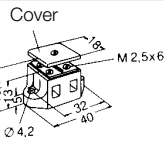
D 10 (for KS 10) **014180** 20



Cover D 2  
(for MK 5/2)



Cover D 4  
(for KS 4)



| Dimensions |     |     |
|------------|-----|-----|
| Type       | a   | b   |
| KS 2       | 42  | 32  |
| KS 4       | 66  | 56  |
| KS 6       | 90  | 80  |
| KS 10      | 138 | 128 |

| Dimensions |    |      |
|------------|----|------|
| Type       | a  | b    |
| BK 2       | 20 | -    |
| BK 3       | 31 | 11   |
| BK 4       | 38 | 18   |
| BK 6       | 52 | 32   |
| BK 12      | 92 | 72,5 |

| Dimens. Length/attachment dim |        |     |    |
|-------------------------------|--------|-----|----|
| Type                          | Length | KRG | PA |
| MK 6/2                        | 23,5   |     |    |
| MK 6/3                        | 36,5   | 13  |    |
| MK 6/4                        | 49,5   | 26  | 26 |
| MK 6/6                        | 75,5   | 25  | 52 |

### Expansion rivet

SN **020010** 500

### Marking strips

Printed

1 ...

ELSb 2 **014320** 50

ELSb 4 **014330** 50

ELSb 6 **014340** 50

ELSb 10 **014350** 50

BSTb 28/2 **020360** 50

BSTb 28/3 **020380** 50

BSTb 28/4 **019730** 50

BSTb 28/6 **019750** 50

BSTb 28/12 **019880** 50

BSTb 28/6 **030460** 50

Unprinted

ELSo 2 **014280** 50

ELSo 4 **014290** 50

ELSo 6 **014300** 50

ELSo 10 **014310** 50

BSTo 28/2 **020350** 50

BSTo 28/3 **020370** 50

BSTo 28/4 **019720** 50

BSTo 28/6 **019740** 50

BSTo 28/12 **019870** 50

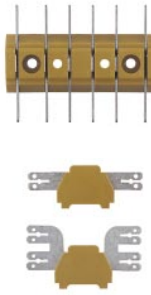
1) Projecting length = 1 mm. To be considered for the last terminal in a row!  
Printed on top on request

2) Please order cover and marking strips separately.

**MDM 10/1**



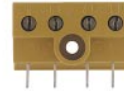
**MF 1/6...1/12**



**SLS 2/2**



**SLS 2/4**



Max. Technical Data

**Dimensions**

Width / length / height (mm)

Insulation stripping length/clamping screw/screwdriver blade

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

**Further technical data**

Tightening torque range

Torque setting with DMS 2 electric screwdriver

**Clampable conductor**

solid H07V-U

stranded H07V-R

flexible H07V-K

flexible H07V-K and AEH DIN 46 228/1

flexible H07V-K and AEH with plastic collar

Max. Clamping Range in mm<sup>2</sup> / Gauge pin to IEC 947-1/1988 Size

Continuous current rating of cross-connection 2-pole

Continuous current rating of cross-connection multipole

**UL / CSA rated data**

Voltage / current / conductor size

Voltage / current / conductor size

**Ordering data**

**Attachment bracket**

**Small partition**

**Cross-connection**

Q 3

**Switchable cross-connection link**

VL

BS

VH

**Test plug/Socket/Insulation sleeve**

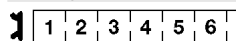
PS

StB

IH

**Cover/marking strips**

**Marking material**



Consecutive horizontal

Consecutive vertical

63 A / 10 mm<sup>2</sup>

10/45/34,5

12 mm/M 4/5,5 x 1,0

800 V/57 A/10 mm<sup>2</sup>

8 kV/3

1,2...2,4

4

1,5...16

1,5...10

1,5...10

1,5...10

1,5...10

1,5...16 / B 6

47

36

600 V/65 A/22...6 AWG

600 V/55 A/22...6 AWG

| Type     | Cat. No.      | Qty. |
|----------|---------------|------|
| MDM 10/1 | <b>912616</b> | 50   |

Direct mounting with an MB left and MB right

MB left **912526** 20

MB right **912536** 20

BS M 4 x 20 **036280** 100

SS M 4 **013640** 100

TSch 1 **031916** 100

Q 2 **045710** 50

Q 3 **045720** 50

Q 4 **045730** 50

Q 10 **045740** 20

VL 2 **013590** 50

VH 19 **028510** 50

BS M 3 x 25 **029250** 100

StB 14 **016990** 50

PS 4 **029960** 20

AD 4 **017860** 50

BSK M 3 x 22 **012890** 100

FW 6 **046866** 500

FS 6 **046876** 500

See table below

-

400 V/16 A/2,5/1 mm<sup>2</sup>

6 kV/3

-

-

-

-

300 V/10 A/24...12 AWG

300 V/10 A/22...10 AWG

| Type                     | Cat. No.      | Qty. |
|--------------------------|---------------|------|
| MF 1/6 KrG <sup>2)</sup> | <b>047972</b> | 100  |

|                          |               |     |
|--------------------------|---------------|-----|
| MF 1/6 KrG <sup>3)</sup> | <b>048002</b> | 100 |
|--------------------------|---------------|-----|

|                          |               |    |
|--------------------------|---------------|----|
| MF 1/8 KrG <sup>2)</sup> | <b>047982</b> | 50 |
|--------------------------|---------------|----|

|                          |               |    |
|--------------------------|---------------|----|
| MF 1/8 KrG <sup>3)</sup> | <b>048012</b> | 50 |
|--------------------------|---------------|----|

|                           |               |    |
|---------------------------|---------------|----|
| MF 1/12 KrG <sup>2)</sup> | <b>047992</b> | 50 |
|---------------------------|---------------|----|

|                           |               |    |
|---------------------------|---------------|----|
| MF 1/12 KrG <sup>3)</sup> | <b>048022</b> | 50 |
|---------------------------|---------------|----|

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See below

8 mm/M 3,5/4,0 x 0,8

400 V/16 A/4 mm<sup>2</sup>

6 kV/3

0,8...1,6

3

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0.33...4.0 / A 3

-

-

Screw/plug 6,3 x 0,8

| Type        | Cat. No.      | Qty. |
|-------------|---------------|------|
| SLS 2/2 KrG | <b>021342</b> | 100  |

|             |               |    |
|-------------|---------------|----|
| SLS 2/4 KrG | <b>024042</b> | 50 |
|-------------|---------------|----|

|             |               |    |
|-------------|---------------|----|
| SLS 2/4 KrG | <b>048032</b> | 50 |
|-------------|---------------|----|

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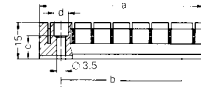
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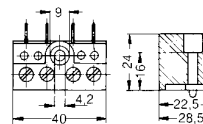
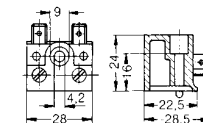
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Dimensions

| Type                        | a   | b  | c   | d   |
|-----------------------------|-----|----|-----|-----|
| MF 1/6                      | 52  | 34 | 9,5 | 6,5 |
| MF 1/8                      | 68  | 50 | 9,5 | 6,5 |
| MF 1/12 113 <sup>+0,5</sup> | 102 | 8  | 7,5 |     |



For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

<sup>2)</sup> Single tab  
<sup>3)</sup> Double tab

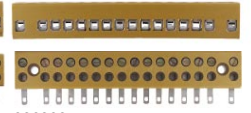
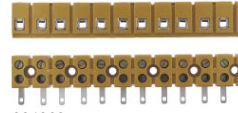
**Multipole terminal blocks**  
**Screw, solder, tab connection**

**MKL 2/12**

**MF 2/12**

**MKL 3/12**

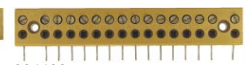
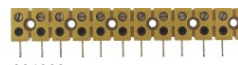
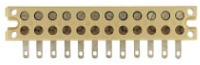
**MKL 4/16**



024186

024362

026202



024176

024992

024432

**Dimensions**

Width / length / height (mm)

88/23/15

75/24/6

110/23/16

103/24/16,5

Insulation stripping length/clamping screw/screwdriver blade

5 mm/M 2,5/3,5 x 0,6

5 mm

5mm/M 2,5/3,5 x 0,6

5mm/M 2,5/3,5 x 0,6

**Rated data**

Rated voltage/rated current/rated cross-section

125 V/20 A/2,5/1,5/1 mm<sup>2</sup>

63 V/17,5 A/1,5/1 mm<sup>2</sup>

400 V\*/20 A/2,5/1,5/1 mm<sup>2</sup>

400 V/20 A/2,5/1,5/1 mm<sup>2</sup>

Rated impulse voltage VDE 0110/1.89/Pollution severity

2,5 kV/3

1,5 kV/3

6 kV/3

6 kV/3

**Further technical data**

Tightening torque range Nm

0,4...0,6

0,4...0,6

0,4...0,6

Torque setting with DMS 2 electric screwdriver

1

1

1

**Clampable conductor**

solid H07V-U mm<sup>2</sup>

0,5...2,5

0,5...4

0,5...4

stranded H07V-R mm<sup>2</sup>

1,5...2,5

1,5...2,5

1,5...2,5

flexible H07V-K mm<sup>2</sup>

0,5...2,5

0,5...2,5

0,5...2,5

flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>

0,5...2,5

0,5...1,5

0,5...1,5

flexible H07V-K and AEH with plastic collar mm<sup>2</sup>

0,5...2,5

0,5...1,5

0,5...1,5

Max. Clamping Range in mm<sup>2</sup> / Gauge pin to IEC 947-1/1988 Size

0,2...2,5 / A 2

0,33...4,0 / A 2

0,33...4,0 / A 2

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

**UL / CSA rated data**

Voltage / current / conductor size UL

300 V/10 A/24...12 AWG

300 V/25 A/22...12 AWG

300 V/25 A/22...12 AWG

Voltage / current / conductor size CSA

300 V/10 A/24...12 AWG

300 V/25 A/22...12 AWG

150 V/15 A/22...12 AWG

**Ordering data**

**Version**

Horizontal 2-pole

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Other numbers of poles available on request 4-pole

MKL 3/2 KrG **027492\*\*** 100

6-pole

MKL 3/4 KrG **027512\*\*** 100

12-pole

MKL 2/12 PA **024136** 50

MKL 3/6 KrG **027532\*\*** 50

16-pole

MKL 3/12 KrG **024362\*\*** 20

MKL 4/16 KrG **026202**) 20

Vertical 2-pole

MKL 3/2 KrG **027602\*** 100

Other numbers of poles available on request 4-pole

6-pole

MKL 3/6 KrG **027642\*** 50

12-pole

MKL 3/12 KrG **024992\*** 20

16-pole

MKL 4/16 KrG **024432** 20

double-sided 2.8 x 0.8

single-sided 0.8 x 1.6/2.8 x 0.8

MF 2/12 PA **024186** 50

MF 2/12 PA **024176** 50

\* For terminals mounted directly next to each other, the rated voltage is reduced to 250 V.

\*\* Rated voltage 250 V. For terminals mounted directly next to each other, the rated voltage is reduced to 125 V.

**Expansion rivet/insulating sleeve**

SN **020010** 500

IH 2.8 **038606** 100

**Marking strips**

Printed BSTb 28/12 **024570** 50

1 ... Bottom

Top **027850** 50

BSTb 28/4 **028980** 50

BSTb 28/6 **029000** 50

BSTb 28/12 **024590** 50

BSTb 28/16 **026220** 50

unten **027870** 50

oben **027870** 50

unbedruckt BSTo 28/12 **024560** 50

BSTo 28/4 **028930** 50

BSTo 28/6 **028950** 50

BSTo 28/12 **024580** 50

BSTo 28/16 **026210** 50

For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

) Rated voltage 250 V



**Feed-through terminals**  
**Screw connection**

**Solder connection**

**Tab connection**

**Spring clip connection** iaw. DIN 41 611 Part 4

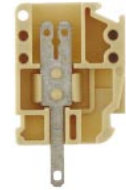
**Wrap connection** iaw. DIN/IEC 352 Part 1

**AKA 2.5**

**ADK 1**

**ADK 1 F**  
**ADK 3 F**

**ADK 1 S**



**Dimensions**

|   |                                    |                                  |                                    |                                      |
|---|------------------------------------|----------------------------------|------------------------------------|--------------------------------------|
| Width / length / height incl. pins (mm)                                   | 6/20/31                            | 6/22/36,5                        | 6/22/36,5                          | 6/22/36,5                            |
| Length solder tag/pin (mm)  | 7,8                                | 8,4                              | 8,5/7,5                            | 8,4                                  |
| Insulation stripping length/clamping screw/screwdriver blade              | 9 mm/M 2,5/3,5 x 0,6               | 9 mm/M 3,5/3,5 x 0,6             | 11 mm/M 2,5/3,5 x 0,6              | -                                    |
| <b>Rated data</b>   |                                    |                                  |                                    |                                      |
| Rated voltage/rated current/rated cross-section                           | 400 V/20 A/2,5/1,5 mm <sup>2</sup> | 400 V/16 A/4/1,5 mm <sup>2</sup> | 400 V/20 A/2,5/1,5 mm <sup>2</sup> | 400 V/16 A/2,5/1,5/1 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity                    | 6 kV/3                             | 6 kV/3                           | 6 kV/3                             | 6 kV/3                               |
| <b>Further technical data</b>   |                                    |                                  |                                    |                                      |
| Tightening torque range   | Nm 0,4...0,6                       | 0,5...1,0                        | 0,4...0,7                          | -                                    |
| Torque setting with DMS 2 electric screwdriver                            | 1                                  | 2                                | 1                                  | -                                    |
| <b>Clampable conductor</b>  |                                    |                                  |                                    |                                      |
| solid H07V-U  | mm <sup>2</sup> 0,5...2,5          | 0,5...4                          | 0,5...2,5                          | -                                    |
| stranded H07V-R   | mm <sup>2</sup> 1,5...2,5          | 1,5...4                          | 1,5...2,5                          | -                                    |
| flexible H07V-K   | mm <sup>2</sup> 0,5...2,5          | 0,5...4                          | 0,5...2,5                          | -                                    |
| flexible H07V-K and AEH DIN 46 228/1                                      | mm <sup>2</sup> 0,5...1,5          | 0,5...2,5                        | 0,5...1,5                          | -                                    |
| flexible H07V-K and AEH with plastic collar                               | mm <sup>2</sup> 0,5...1,5          | 0,5...2,5                        | 0,5...1,5                          | -                                    |
| Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988 Size | 0.13...2.5 / A2                    | 0.13...2.5 / A3                  | 0.13...2.5 / A2                    | 0.5...2.5 / -                        |

|   |      |      |   |     |
|---|------|------|---|-----|
| Continuous current rating of cross-connection 2-pole    | A 3  | A 10 | - | A 3 |
| Continuous current rating of cross-connection multipole | A 10 | 10   | - | -   |

**UL / CSA rated data**

|                                    |                            |                        |                        |                        |
|------------------------------------|----------------------------|------------------------|------------------------|------------------------|
| Voltage / current / conductor size | UL 300 V/20 A/26...12 AWG  | 300 V/10 A/26...12 AWG | 300 V/20 A/26...14 AWG | 300 V/18 A/12 AWG max. |
| Voltage / current / conductor size | CSA 300 V/10 A/24...12 AWG | 300 V/15 A/26...12 AWG | 300 V/15 A/22...14 AWG | 300 V/3 A/-            |

**Ordering information**

| Version                  | for sheet metal mm: | 1,5           | Qty. | 1,5 | Qty. | 2,5 | Qty. | 1,5 | Qty. | 2,5 | Qty. | 1,5           | Qty. | 2,5           | Qty. |
|--------------------------|---------------------|---------------|------|-----|------|-----|------|-----|------|-----|------|---------------|------|---------------|------|
| PA                       |                     | <b>030072</b> | 100  |     |      |     |      |     |      |     |      |               |      |               |      |
| KrG                      |                     |               |      |     |      |     |      |     |      |     |      |               |      |               |      |
| EP                       |                     |               |      |     |      |     |      |     |      |     |      |               |      |               |      |
| Pin 0,6x0,6              |                     |               |      |     |      |     |      |     |      |     |      |               |      |               |      |
| Pin 1,0x1,0              |                     |               |      |     |      |     |      |     |      |     |      |               |      |               |      |
| Pin 0,8x1,6              |                     |               |      |     |      |     |      |     |      |     |      |               |      |               |      |
| FS 1x6,3 slotted/0,8x2,8 |                     |               |      |     |      |     |      |     |      |     |      | <b>047616</b> | 100  | <b>047856</b> | 100  |
| 12-pole PA               |                     |               |      |     |      |     |      |     |      |     |      |               |      |               |      |

| End plate (thickness mm) | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          |    |
|--------------------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|----|
|                          | KrG  | AP (3)   | <b>016252</b> | 100  |          |               |      |          |               |      |          |               |    |
|                          | PA   |          |               |      | AP (3)   | <b>047626</b> | 50   | AP (3)   | <b>047626</b> | 50   | AP (3)   | <b>047626</b> | 50 |
|                          | EP   |          |               |      |          |               |      | AP (3)   | <b>036000</b> | 20   |          |               |    |

| Spacer (thickness mm) | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty. | Type | Cat. No. | Qty. | Type | Cat. No. | Qty. |
|-----------------------|------|----------|---------------|------|----------|------|------|----------|------|------|----------|------|
|                       | KrG  | ZP (1,5) | <b>024072</b> | 50   |          |      |      |          |      |      |          |      |
|                       | KrG  | ZP (2,5) | <b>028852</b> | 20   |          |      |      |          |      |      |          |      |

| Partition (thickness mm) | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          | Type | Cat. No. | Qty.          |    |
|--------------------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|------|----------|---------------|----|
|                          |      |          |               |      |          |               |      |          |               |      |          |               |    |
|                          |      | TW (0,5) | <b>044230</b> | 50   | TW (0,5) | <b>044230</b> | 50   | TW (0,5) | <b>044230</b> | 50   | TW (0,5) | <b>044230</b> | 50 |
|                          |      |          |               |      |          |               |      |          |               |      |          |               |    |

| Test plug/Socket | Type | Cat. No. | Qty. | Type | Cat. No. | Qty. | Type | Cat. No. | Qty. | Type | Cat. No. | Qty. |
|------------------|------|----------|------|------|----------|------|------|----------|------|------|----------|------|
|                  | PS   |          |      |      |          |      |      |          |      |      |          |      |
|                  | SiB  |          |      |      |          |      |      |          |      |      |          |      |
|                  |      |          |      |      |          |      |      |          |      |      |          |      |
|                  |      |          |      |      |          |      |      |          |      |      |          |      |

| Fuse pin/insulation sleeve/expansion rivet | Type    | Cat. No.      | Qty. | Type    | Cat. No.      | Qty. | Type    | Cat. No.      | Qty. | Type    | Cat. No.      | Qty. |
|--|---------|---------------|------|---------|---------------|------|---------|---------------|------|---------|---------------|------|
|  | SST 1.2 | <b>030660</b> | -    | SST 1.2 | <b>030660</b> | -    | SST 1.2 | <b>030660</b> | -    | SST 1.2 | <b>030660</b> | -    |
|  |         |               |      | IH 2.8  | <b>038606</b> | 100  | IH 2.8  | <b>038606</b> | 100  | IH 2.8  | <b>038606</b> | 100  |
|  |         |               |      |         |               |      |         |               |      | IH 6.3  | <b>038626</b> | 100  |

| Marking tags | Print                  | FW 6          | Qty. | FW 6          | Qty. | FW 6          | Qty. | FW 6          | Qty. |
|--------------|------------------------|---------------|------|---------------|------|---------------|------|---------------|------|
|              | Consecutive horizontal | <b>046866</b> | 500  | <b>046866</b> | 500  | <b>046866</b> | 500  | <b>046866</b> | 500  |
|              | Consecutive vertical   | <b>046876</b> | 500  | <b>046876</b> | 500  | <b>046876</b> | 500  | <b>046876</b> | 500  |

For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

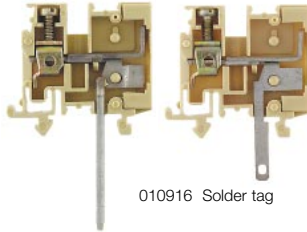
**ADK 3 W**



**ADK 1 T**



**AKZ 2.5 K**

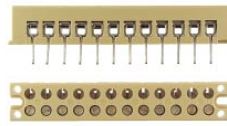


010916 Solder tag

**ADK 1 FT**



**MK 2/12**



| ADK 3 W                       |               |      | ADK 1 T                     |               |               | AKZ 2.5 K                     |               |            | ADK 1 FT                       |               |               | MK 2/12                           |               |      |
|-------------------------------|---------------|------|-----------------------------|---------------|---------------|-------------------------------|---------------|------------|--------------------------------|---------------|---------------|-----------------------------------|---------------|------|
| 6/22/57,5                     |               |      | 6/22/50,5                   |               |               | 5/26/45,5                     |               |            | 6/22/52                        |               |               | 86/15/23                          |               |      |
| 8,4/21                        |               |      | 19,5...21,9                 |               |               | 22,4...23,6                   |               |            | 24                             |               |               | 8                                 |               |      |
| -                             |               |      | 9 mm/M 3/3,5 x 0,6          |               |               | 7 mm/M 2,5/3,0 x 0,5          |               |            | 11 mm/M 2,5/3,5 x 0,6          |               |               | 5                                 |               |      |
| 250 V/8 A/1,5 mm <sup>2</sup> |               |      | 400 V/8 A/4 mm <sup>2</sup> |               |               | 250 V/8 A/2,5 mm <sup>2</sup> |               |            | 250 V/10 A/2,5 mm <sup>2</sup> |               |               | 63 V/20 A/2,5/1,5 mm <sup>2</sup> |               |      |
| 4 kV/3                        |               |      | 6 kV/3                      |               |               | 4 kV/3                        |               |            | 4 kV/3                         |               |               | 1,5 kV/3                          |               |      |
| -                             |               |      | 0,5...1,0                   |               |               | 0,4...0,7                     |               |            | 0,4...0,7                      |               |               | 0,4...0,6                         |               |      |
| -                             |               |      | 2                           |               |               | 1                             |               |            | 1                              |               |               | 1                                 |               |      |
| -                             |               |      | 0,5...4                     |               |               | 0,5...2,5                     |               |            | 0,5...2,5                      |               |               | 0,5...2,5                         |               |      |
| -                             |               |      | 1,5...4                     |               |               | 1,5...2,5                     |               |            | 1,5...2,5                      |               |               | 1,5...2,5                         |               |      |
| -                             |               |      | 0,5...4                     |               |               | 0,5...2,5                     |               |            | 0,5...2,5                      |               |               | 0,5...2,5                         |               |      |
| -                             |               |      | 0,5...2,5                   |               |               | 0,5...2,5                     |               |            | 0,5...1,5                      |               |               | 0,5...2,5                         |               |      |
| -                             |               |      | 0,5...2,5                   |               |               | 0,5...2,5                     |               |            | 0,5...1,5                      |               |               | 0,5...2,5                         |               |      |
| -                             |               |      | 0.13...4.0 / A3             |               |               | 0.13...2.5 / A2               |               |            | 0.33...2.5 / A2                |               |               | 0.2...2.5 / A2                    |               |      |
| -                             |               |      | 10                          |               |               | 10                            |               |            | -                              |               |               | -                                 |               |      |
| -                             |               |      | 300/250 V/10 A/26...12 AWG  |               |               | 300/250 V/10 A/22...12 AWG    |               |            | -                              |               |               | 300 V/10 A/24...12 AWG            |               |      |
| 300 V/15 A/-                  |               |      | 300 V/15 A/26...12 AWG      |               |               | 300 V/10 A/26...10 AWG        |               |            | 300 V/3 A/22...14 AWG          |               |               | 300 V/10 A/24...12 AWG            |               |      |
| <b>1,5</b>                    | Qty.          |      | <b>1,5</b>                  | Qty.          | <b>2,5</b>    | Qty.                          | <b>1,5</b>    | Qty.       | <b>1,5</b>                     | Qty.          | <b>2,5</b>    | Qty.                              | Cat. No.      | Qty. |
|                               |               |      |                             |               |               |                               | <b>010916</b> | Solder tag |                                |               |               |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
|                               |               |      | <b>052146</b>               | 100           | <b>051766</b> | 100                           |               |            |                                |               |               |                                   |               |      |
| <b>035980</b>                 | 100           |      | <b>037236</b>               | 100           | <b>037226</b> | 100                           | <b>010896</b> | 100        | <b>017696</b>                  | 100           | <b>017706</b> | 100                               |               |      |
|                               |               |      | <b>036636</b>               | 100           | <b>036626</b> | 100                           | <b>010906</b> | 100        |                                |               |               |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   | <b>024146</b> | 50   |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
| Type                          | Cat. No.      | Qty. | Type                        | Cat. No.      | Qty.          | Type                          | Cat. No.      | Qty.       | Type                           | Cat. No.      | Qty.          |                                   |               |      |
| AP (3)                        | <b>036000</b> | 20   | AP (3)                      | <b>047626</b> | 50            | AP (3)                        | <b>069726</b> | 50         | AP (3)                         | <b>047626</b> | 50            |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
| TW (0,5)                      | <b>044230</b> | 50   | TW (0,5)                    | <b>044230</b> | 50            | TW (1,5)                      | <b>031856</b> | 20         | TW (0,5)                       | <b>044230</b> | 50            |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
|                               |               |      | PS 2.3                      | <b>018040</b> | 20            | PS 2.3                        | <b>018040</b> | 20         |                                |               |               |                                   |               |      |
|                               |               |      |                             |               |               | SiB 8.5                       | <b>021570</b> | 50         |                                |               |               |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
| SST 1.2                       | <b>030660</b> | -    | SST 1.2                     | <b>030660</b> | -             |                               |               |            | SST 1.2                        | <b>030660</b> | -             |                                   |               |      |
| IH 2.8                        | <b>038606</b> | 100  |                             |               |               | IH 2.8                        | <b>038606</b> | 100        |                                |               |               |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |
| FW 6                          | <b>046866</b> | 500  | FW 6                        | <b>046866</b> | 500           | FW 5                          | <b>047346</b> | 500        | FW 6                           | <b>046866</b> | 500           | BSTb 28/12                        | <b>024570</b> | 50   |
| FS 6                          | <b>046876</b> | 500  | FS 6                        | <b>046876</b> | 500           | FS 5                          | <b>047356</b> | 500        | FS 6                           | <b>046876</b> | 500           | BSTo 28/12                        | <b>024560</b> | 50   |
|                               |               |      |                             |               |               |                               |               |            |                                |               |               |                                   |               |      |

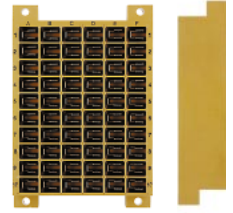
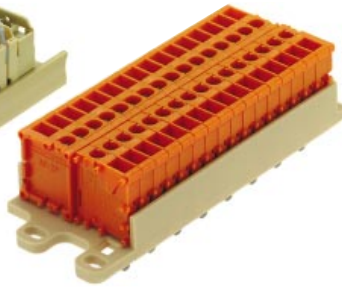
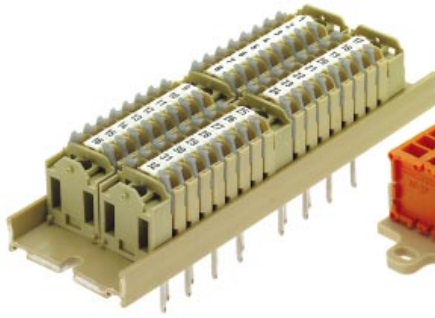
**Rack mounted interface system**

**DSG 1.5 T/32**

**TOP 1.5 F/32**

**SP 10 FF<sup>2)</sup>  
SP 10 LF<sup>3)</sup>**

**SP 60 FF<sup>2)</sup>  
SP 60 LF<sup>3)</sup>**



**Dimensions**

|  |                 |                                |                                  |                                      |                                     |
|--|-----------------|--------------------------------|----------------------------------|--------------------------------------|-------------------------------------|
| Width / length / height (mm)                                 |                 | 40,5/128,4/43                  | 40,2/110,6/29,5                  | 42/46,5/170/28                       | 40/45,5/162,5/110                   |
| Hole spacing/attachment dimensions                           | mm              | 122,4                          | 101,6/20,3                       | 147                                  | 151/90                              |
| Insulation stripping length/clamping screw/screwdriver blade |                 | 12 mm                          | 10 mm/M 2,5/3,5 x 0,6            |                                      |                                     |
| <b>Rated data</b>  |                 |                                |                                  |                                      |                                     |
| Rated voltage/rated current/rated cross-section              |                 | 250 V/10 A/1,5 mm <sup>2</sup> | 250* V/6 A/1,5/1 mm <sup>2</sup> | 1000* V/16 A/2,5/1,5 mm <sup>2</sup> | 400* V/16 A/2,5/1,5 mm <sup>2</sup> |
| Rated impulse voltage VDE 0110/1.89/Pollution severity       |                 | 4 kV/3                         | 4 kV/3                           | 6 kV/3                               | 6 kV/3                              |
| <b>Further technical data</b>                                |                 |                                |                                  |                                      |                                     |
| Tightening torque range                                      | Nm              |                                | 0,4...0,7                        |                                      |                                     |
| Torque setting with DMS 2 electric screwdriver               |                 |                                | 1                                |                                      |                                     |
| <b>Clampable conductor</b>                                   |                 |                                |                                  |                                      |                                     |
| solid H07V-U   | mm <sup>2</sup> | 0,5...2,5                      | 0,5...2,5                        |                                      |                                     |
| stranded H07V-R  | mm <sup>2</sup> | 1,5                            | 1,5                              |                                      |                                     |
| flexible H07V-K  | mm <sup>2</sup> | 0,5...1,5                      | 0,5...1,5                        |                                      |                                     |
| flexible H07V-K and AEH DIN 46 228/1                         | mm <sup>2</sup> | 0,5...1,5                      | 0,5...1,5                        |                                      |                                     |
| flexible H07V-K and AEH with plastic collar                  | mm <sup>2</sup> | 0,5...1,5                      | 0,5...1,5                        |                                      |                                     |
| Plug gauge according to 947-1                                | Size            | A1                             | A1                               |                                      |                                     |

|   |   |  |  |  |  |
|---|---|--|--|--|--|
| Continuous current rating of cross-connection 2-pole    | A |  |  |  |  |
| Continuous current rating of cross-connection multipole | A |  |  |  |  |

**UL / CSA rated data**

|                                    |     |   |   |                  |                  |
|------------------------------------|-----|---|---|------------------|------------------|
| Voltage / current / conductor size | UL  | - | - | 300/250 V/10 A/- | 300/250 V/10 A/- |
| Voltage / current / conductor size | CSA | - | - | -                | -                |

**Ordering data**

|  | Version | Type         | Cat. No.      | Qty. | Type         | Cat. No.                   | Qty. | Type     | Cat. No.      | Qty. | Type                   | Cat. No.      | Qty. |
|--|---------|--------------|---------------|------|--------------|----------------------------|------|----------|---------------|------|------------------------|---------------|------|
| Pin 1.0 x 1.0  | PA      |              |               |      | TOP 1.5 F/32 | <b>044316<sup>1)</sup></b> | 5    |          |               |      |                        |               |      |
| Pin 0.8 x 2.8 (push-on), unprinted                     | PA      |              |               |      | TOP 1.5 F/32 | <b>026536</b>              | 10   |          |               |      |                        |               |      |
| Pin 0.8 x 2.8 (push-on), printed, 1...32               | PA      |              |               |      | TOP 1.5 F/32 | <b>030156</b>              | 10   |          |               |      |                        |               |      |
| Pin 0.8 x 2.8 (push-on), printed, 1...32, blue         | PA      |              |               |      | TOP 1.5 F/32 | <b>030158</b>              | 10   |          |               |      |                        |               |      |
| 6 x plug (6.3 x 0.8)                                   | KrG     |              |               |      |              |                            |      | SP 10 FF | <b>045622</b> | 10   | SP 60 FF <sup>4)</sup> | <b>034032</b> | 1    |
| 6 x plug (6.3 x 0.8), blue                             | KrG     |              |               |      |              |                            |      |          |               |      | SP 60 FF <sup>4)</sup> | <b>034037</b> | 1    |
| 6 x plug (6.3 x 0.8), or 12 x 2.8 x 0.8 slotted        | KrG     |              |               |      |              |                            |      |          |               |      | SP 60 FF <sup>4)</sup> | <b>060902</b> | 1    |
| 6 x plug (6.3 x 0.8), or 12 x 2.8 x 0.8 slotted, blue  | KrG     |              |               |      |              |                            |      |          |               |      |                        |               |      |
| 3 x plug (6.3 x 0.8)/1 x solder per pole               | KrG     |              |               |      |              |                            |      | SP 10 LF | <b>048052</b> | 10   | SP 60 LF <sup>4)</sup> | <b>034372</b> | 1    |
| 3 x plug (6.3 x 0.8)/1 x solder per pole, blue         | KrG     |              |               |      |              |                            |      |          |               |      | SP 60 LF <sup>4)</sup> | <b>034377</b> | 1    |
| 3 x plug (6.3 x 0.8 or 6 x 2.8 x 0.8)/1 x solder       | KrG     |              |               |      |              |                            |      |          |               |      | SP 60 LF <sup>5)</sup> | <b>012452</b> | 1    |
| 3 x plug (6.3 x 0.8 or 6 x 2.8 x 0.8)/1 x solder, blue | KrG     |              |               |      |              |                            |      |          |               |      | SP 60 LF <sup>5)</sup> | <b>012457</b> | 1    |
| 2 x direct connection, 1 x pin 0.8 x 1.6               | PA      | DSG 1.5 T/32 | <b>063086</b> | 5    |              |                            |      |          |               |      |                        |               |      |

printed:

<sup>4)</sup> A...F / 1...10

<sup>5)</sup> 00...50 / 1...10

**Insulation sleeve**

|  | Type | Best-Nr. | Qty. | Type   | Best-Nr.      | Qty. | Type   | Best-Nr.      | Qty. | Type   | Best-Nr.      | Qty. |
|--|------|----------|------|--------|---------------|------|--------|---------------|------|--------|---------------|------|
|  |      |          |      | IH 2.8 | <b>038606</b> | 100  | IH 2.8 | <b>038606</b> | 100  | IH 2.8 | <b>038606</b> | 100  |
|  |      |          |      |        |               |      | IH 6.3 | <b>038626</b> | 100  | IH 6.3 | <b>038626</b> | 100  |

**Marking tags**

**Print**

|         |                   |      |               |     |      |               |     |
|---------|-------------------|------|---------------|-----|------|---------------|-----|
| dekalix | For group markers | FW 5 | <b>047346</b> | 500 | FW 5 | <b>047346</b> | 500 |
|---------|-------------------|------|---------------|-----|------|---------------|-----|

For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

<sup>1)</sup> Rated voltage 125 V

<sup>2)</sup> FF=Tab - Tab

<sup>3)</sup> LF=Solder - Tab

SP 90 FF<sup>2)</sup>  
 SP 90 LF<sup>3)</sup>



40/45,5/228,5/110  
 217/90

400\* V/16 A/2,5/1,5 mm<sup>2</sup>  
 6 kV/3

300/250 V/10 A/-

Type Cat. No. Qty.

|            |               |   |
|------------|---------------|---|
| SP 90 FF** | <b>024812</b> | 1 |
| SP 90 FF** | <b>024817</b> | 1 |
| SP 90 FF** | <b>060892</b> | 1 |
| SP 90 FF** | <b>060897</b> | 1 |
| SP 90 LF** | <b>024822</b> | 1 |
| SP 90 LF** | <b>024827</b> | 1 |

Print:

\*\* A...F / 1...15

| Type   | Cat. No.      | Qty. |
|--------|---------------|------|
| IH 2.8 | <b>038606</b> | 100  |
| IH 6.3 | <b>038626</b> | 100  |

<sup>2)</sup> FF = Tab - Tab  
<sup>3)</sup> LF = Solder - Tab

## Rack mounted interface system

### RV 8/8 long

### RV 8/8 short

### RV 8/9 long

### RV 8/9 short



#### Technical data according to VDE

#### Pin versions (internal)

0,8 x 2,4/1 x 1  
0,8 x 2,4/0,8 x 2,4

#### Plug adapter



1-pole

for connection of solid and flexible solid conductors from 0.75 to 1.5 mm<sup>2</sup> directly on to the pins of the interface system.

| 125 V~/-- |      |  |
|-----------|------|--|
| Cat. No.  | Qty. |  |
| 046886    | 1    |  |
| 046896    | 1    |  |

| Type  | Cat. No. | Qty. |
|-------|----------|------|
| DSA 1 | 057606   | 50   |

| 125 V~/-- |      |  |
|-----------|------|--|
| Cat. No.  | Qty. |  |
| 046716    | 1    |  |
| 046726    | 1    |  |

| Type  | Cat. No. | Qty. |
|-------|----------|------|
| DSA 1 | 057606   | 50   |

| 105 V~/-- |      |  |
|-----------|------|--|
| Cat. No.  | Qty. |  |
| 049896    | 1    |  |
| 049906    | 1    |  |

| With shield pins |          |      |
|------------------|----------|------|
| Type             | Cat. No. | Qty. |
| DSA 1            | 057606   | 50   |

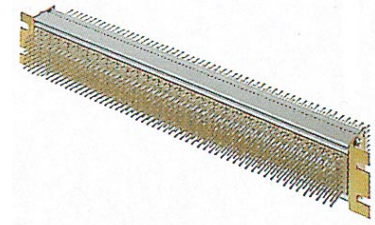
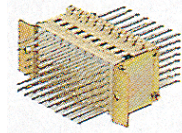
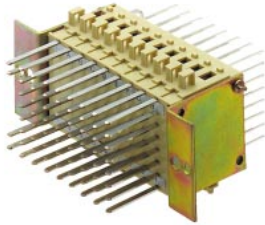
| 125 V~/-- |      |  |
|-----------|------|--|
| Cat. No.  | Qty. |  |
| 044406    | 1    |  |
| 054596    | 1    |  |

| With shield pins |          |      |
|------------------|----------|------|
| Type             | Cat. No. | Qty. |
| DSA 1            | 057606   | 50   |

### RV 4/9 short

### RV 8/20 short

### RV 8/56 short



#### Technical data according to VDE

#### Pin versions (internal)

0,8 x 2,4/1 x 1  
0,8 x 2,4/0,8 x 2,4

#### Plug adapter



1-pole  
8-pole

for connection of solid and flexible solid conductors from 0.75 to 1.5 mm<sup>2</sup> directly on to the pins of the interface system.

Additional versions available on request

| 125 V~/--/-- |      |  |
|--------------|------|--|
| Cat. No.     | Qty. |  |
| 137896       | 1    |  |
| 138296       | 1    |  |

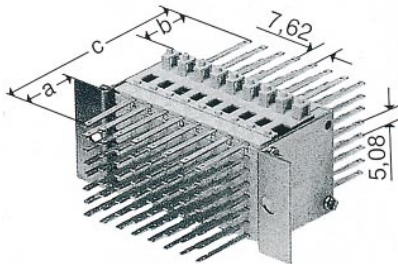
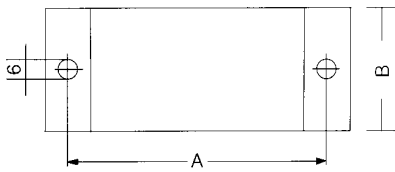
| With potential compensation |          |      |
|-----------------------------|----------|------|
| Type                        | Cat. No. | Qty. |
| DSA 1                       | 057606   | 50   |
| DSA 1/8                     | 014076   | 40   |

| 125 V~/--/-- |      |  |
|--------------|------|--|
| Cat. No.     | Qty. |  |
| 011936       | 1    |  |
| 054446       | 1    |  |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      |          |      |

| 125 V~/--/-- |      |  |
|--------------|------|--|
| Cat. No.     | Qty. |  |
| 046226       | 1    |  |
| 053306       | 1    |  |

| Type | Cat. No. | Qty. |
|------|----------|------|
|      |          |      |



| Type      | Size A      | Size B |
|-----------|-------------|--------|
|           | in mm       | in mm  |
| RV 8/8 K  | 81          | 40,64  |
| RV 8/9 K  | 89          | 40,64  |
| RV 8/8 L  | 93          | 40,64  |
| RV 8/9 L  | 100         | 40,64  |
| RV 8/20 K | 187,62/31,5 | 63     |
| RV 8/56 K | 460/31,5    | 63     |

(K = short/L = long)

| Bestell.-Nr. | RV     | a  | b  | c   |
|--------------|--------|----|----|-----|
| 046886       | 8/8 L  | 26 | 20 | 200 |
| 046896       | 8/8 L  | 26 | 26 | 206 |
| 049896       | 8/9 L  | 26 | 20 | 200 |
| 049906       | 8/9 L  | 26 | 26 | 206 |
| 046716       | 8/8 K  | 26 | 20 | 84  |
| 046726       | 8/8 K  | 26 | 26 | 89  |
| 044406       | 8/9 K  | 26 | 20 | 84  |
| 054596       | 8/9 K  | 26 | 26 | 89  |
| 011936       | 8/20 K | 26 | 20 | 84  |
| 054446       | 8/20 K | 26 | 26 | 89  |
| 046226       | 8/56 K | 26 | 20 | 84  |
| 053306       | 8/56 K | 26 | 26 | 89  |
| 137896       | 4/9 K  | 26 | 20 | 84  |
| 138296       | 4/9 K  | 26 | 26 | 89  |

For further accessories see section 3, further marking material see section 8