

## Slide-type terminal block - UGSK/S - 0305080

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Slide-type terminal block, without slide, nom. voltage: 500 V, nominal current: 41 A, connection method: Screw connection, number of connections: 2, cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, width: 8.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15, NS 32

### Your advantages

- ✓ Measuring equipment or protective relays can be individually connected with the aid of bridges and slides
- ✓ Here, the slides make contact with the switching jumper depending on the switching task

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                                   |
| GTIN         | <br>4 017918 000745 |
| GTIN         | 4017918000745                                                                                           |

### Technical data

#### General

|                                                 |                                                        |
|-------------------------------------------------|--------------------------------------------------------|
| Number of levels                                | 1                                                      |
| Number of connections                           | 2                                                      |
| Nominal cross section                           | 6 mm <sup>2</sup>                                      |
| Color                                           | gray                                                   |
| Insulating material                             | PA                                                     |
| Flammability rating according to UL 94          | V2                                                     |
| Rated surge voltage                             | 6 kV                                                   |
| Degree of pollution                             | 3                                                      |
| Overvoltage category                            | III                                                    |
| Insulating material group                       | I                                                      |
| Maximum power dissipation for nominal condition | 1.31 W                                                 |
| Connection in acc. with standard                | IEC 60947-7-1                                          |
| Nominal current I <sub>N</sub>                  | 41 A                                                   |
| Maximum load current                            | 57 A (with 10 mm <sup>2</sup> conductor cross section) |

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## Technical data

### General

|                                                                                           |                              |
|-------------------------------------------------------------------------------------------|------------------------------|
| Nominal voltage $U_N$                                                                     | 500 V                        |
| Open side panel                                                                           | Yes                          |
| Shock protection test specification                                                       | IEC 60529:2001-02            |
| Back of the hand protection                                                               | guaranteed                   |
| Finger protection                                                                         | guaranteed                   |
| Result of surge voltage test                                                              | Test passed                  |
| Surge voltage test setpoint                                                               | 7.3 kV                       |
| Result of power-frequency withstand voltage test                                          | Test passed                  |
| Power frequency withstand voltage setpoint                                                | 1.89 kV                      |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed                  |
| Result of bending test                                                                    | Test passed                  |
| Bending test rotation speed                                                               | 10 rpm                       |
| Bending test turns                                                                        | 135                          |
| Bending test conductor cross section/weight                                               | 0.5 mm <sup>2</sup> / 0.3 kg |
|                                                                                           | 6 mm <sup>2</sup> / 1.4 kg   |
|                                                                                           | 10 mm <sup>2</sup> / 2 kg    |
| Tensile test result                                                                       | Test passed                  |
| Conductor cross section tensile test                                                      | 0.5 mm <sup>2</sup>          |
| Tractive force setpoint                                                                   | 20 N                         |
| Conductor cross section tensile test                                                      | 6 mm <sup>2</sup>            |
| Tractive force setpoint                                                                   | 80 N                         |
| Conductor cross section tensile test                                                      | 10 mm <sup>2</sup>           |
| Tractive force setpoint                                                                   | 90 N                         |
| Result of tight fit on support                                                            | Test passed                  |
| Tight fit on carrier                                                                      | NS 32/NS 35                  |
| Setpoint                                                                                  | 5 N                          |
| Result of voltage-drop test                                                               | Test passed                  |
| Requirements, voltage drop                                                                | ≤ 3.2 mV                     |
| Temperature-rise test                                                                     | Test passed                  |
| Short circuit stability result                                                            | Test passed                  |
| Conductor cross section short circuit testing                                             | 6 mm <sup>2</sup>            |
| Short-time current                                                                        | 0.72 kA                      |
| Conductor cross section short circuit testing                                             | 10 mm <sup>2</sup>           |
| Short-time current                                                                        | 1.2 kA                       |
| Result of thermal test                                                                    | Test passed                  |
| Proof of thermal characteristics (needle flame) effective duration                        | 30 s                         |
| Relative insulation material temperature index (Elec., UL 746 B)                          | 125 °C                       |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))                   | 125 °C                       |
| Static insulating material application in cold                                            | -40 °C                       |

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## Technical data

### Dimensions

|                  |         |
|------------------|---------|
| Length           | 61 mm   |
| Width            | 8.2 mm  |
| Height NS 35/7,5 | 53.5 mm |

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Conductor cross section solid min.                                                      | 0.5 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 10 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                                   | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible max.                                                   | 6 mm <sup>2</sup>   |
| Conductor cross section AWG min.                                                        | 20                  |
| Conductor cross section AWG max.                                                        | 8                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 6 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 4 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid min.                                        | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 1.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                     | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 4 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 4 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm <sup>2</sup>   |
| Connection method                                                                       | Screw connection    |
| Stripping length                                                                        | 11 mm               |
| Screw thread                                                                            | M4                  |
| Tightening torque, min                                                                  | 1.5 Nm              |
| Tightening torque max                                                                   | 1.8 Nm              |

### Standards and Regulations

|                                        |               |
|----------------------------------------|---------------|
| Connection in acc. with standard       | CUL           |
|                                        | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V2            |

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
|            | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Slide-type terminal block - UGSK/S - 0305080

### Approvals

#### Approvals

#### Approvals

DNV GL / KR / UL Recognized / cUL Recognized / EAC / RS / cULus Recognized

#### Ex Approvals

#### Approval details

|        |                                                                                   |                                                                           |            |
|--------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------|
| DNV GL |  | <a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a> | TAE00001CT |
|--------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------|

|    |                                                                                    |                                                                                               |                |
|----|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------|
| KR |  | <a href="http://www.krs.co.kr/eng/main/main.aspx">http://www.krs.co.kr/eng/main/main.aspx</a> | HMB17372-EL001 |
|----|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------|

|                    |                                                                                     |                                                                                                                                                       |              |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UL Recognized      |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
| Nominal voltage UN |                                                                                     | 600 V                                                                                                                                                 |              |
| Nominal current IN |                                                                                     | 50 A                                                                                                                                                  |              |
| mm²/AWG/kcmil      |                                                                                     | 26-8                                                                                                                                                  |              |

|                    |                                                                                     |                                                                                                                                                       |              |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL Recognized     |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
| Nominal voltage UN |                                                                                     | 600 V                                                                                                                                                 |              |
| Nominal current IN |                                                                                     | 50 A                                                                                                                                                  |              |
| mm²/AWG/kcmil      |                                                                                     | 26-8                                                                                                                                                  |              |

|     |                                                                                     |               |  |
|-----|-------------------------------------------------------------------------------------|---------------|--|
| EAC |  | EAC-Zulassung |  |
|-----|-------------------------------------------------------------------------------------|---------------|--|

|    |                                                                                     |                                                                                             |              |
|----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------|
| RS |  | <a href="http://www.rs-head.spb.ru/en/index.php">http://www.rs-head.spb.ru/en/index.php</a> | 17.00013.272 |
|----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------|

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### Approvals

cULus Recognized



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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>