

**SAK Series
SAK 16/35 PA**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	SAK 16/35 PA
Order No.	0380660000
Version	SAK Series, Feed-through terminal, Rated cross-section: 16 mm ² , Screw connection, beige
GTIN (EAN)	4008190118204
Qty.	50 pc(s).

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Technical data
Dimensions and weights

Width	12 mm	Width (inches)	0.472 inch
Height	50 mm	Height (inches)	1.969 inch
Depth	57.5 mm	Depth (inches)	2.264 inch
Net weight	26.2 g		

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	55 °C
Storage temperature, min.	-25 °C	Storage temperature	-25 °C...55 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Material data

Material	PA 66	Colour	beige / yellow
UL 94 flammability rating	V-2		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX1798U	Certificate No. (IECEX)	IECEXKEM06.0014U
Max. voltage (ATEX)	690 V	Current (ATEX)	66 A
Wire cross section max. (ATEX)	16 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	66 A	Wire cross section max. (IECEX)	16 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	154685-1501714	Current size C (CSA)	87 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	4 AWG
Wire cross section min. (CSA)	14 AWG		

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Technical data
Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 16 mm²

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm ²
Clamping range, min.	2.5 mm ²	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm ²	Connection cross-section, stranded, min.	4 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	15 mm
Tightening torque, max.	2.64 Nm	Tightening torque, min.	2 Nm
Torque level with DMS electric screwdriver	4	Twin wire-end ferrules, max.	10 mm ²
Twin wire-end ferrules, min.	1.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section, finely stranded, max.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	4 mm ²	Wire connection cross-section, finely stranded, min.	4 mm ²
Wire connection cross-section, solid core, max.	16 mm ²	Wire connection cross-section, solid core, min.	2.5 mm ²

Rating data

Rated cross-section	16 mm ²	Rated voltage	1,000 V
Rated current	76 A	Current at maximum wires	76 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.42 mΩ
Power loss in accordance with IEC 60947-7-x	2.43 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	4 AWG
Conductor size Factory wiring min. (UR)	12 AWG	Conductor size Field wiring max. (UR)	4 AWG
Conductor size Field wiring min. (UR)	12 AWG	Current size C (UR)	80 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20	UNSPSC	30-21-18-11

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Technical data**Approvals**

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity CB Certificate CB Test Certificate EAC certificate DNVGL certificate Lloyds Register Certificate MARITREG Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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Accessories**Plus**

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8 PLUS MC NE WS	Version
Order No.	1046350000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055	Weidmueller, white
Qty.	800 pc(s).	

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Accessories
DEK 5/6

WS/ DEK

MultiMark DEK/WS connector markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	DEK 5/6 MM WS	Version
Order No.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 pc(s).	

Q / SAK

Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	Q 3 SAK16	Version
Order No.	0457600000	SAK Series, Cross-connector, for cross-connection link, Number of poles: 3
GTIN (EAN)	4008190022280	
Qty.	50 pc(s).	
Type	Q 2 SAK16	Version
Order No.	0457500000	SAK Series, Cross-connector, for cross-connection link, Number of poles: 2
GTIN (EAN)	4008190055349	
Qty.	50 pc(s).	

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Accessories

Type	Q 4 SAK 16	Version
Order No.	0457700000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190070823	poles: 4
Qty.	50 pc(s).	

Type	Q 10 SAK 16	Version
Order No.	0457800000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190082512	poles: 10
Qty.	20 pc(s).	

Blank

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General ordering data

Type	DEK 5/5 MC NE WS	Version
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

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Accessories

Connection sleeves



VH 12/4.9/3.3 024900

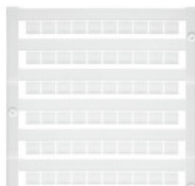
General ordering data

Type	VH 19/5/3.5 SAK4-16	Version
Order No.	0285100000	SAK Series, Connecting sleeve, for cross-connection link, Number of
GTIN (EAN)	4008190189297	poles: 1
Qty.	50 pc(s).	

Klippon® Connect with clamping yoke Technology

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Custom printing



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General ordering data

Type	DEK 5/6 MC SDR	Version
Order No.	1609830000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603	Weidmueller, To customer specification
Qty.	200 pc(s).	

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Accessories**Custom printing**

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General ordering data

Type	DEK 5/5 MC SDR	Version
Order No.	1609810000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597	Weidmueller, To customer specification
Qty.	200 pc(s).	

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General ordering data

Type	DEK 5/8 MC SDR	Version
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 pc(s).	

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Accessories

Type	DEK 5/8 PLUS MC SDR	Version
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmueller, To customer specification
Qty.	160 pc(s).	

DEK 5/8



WS/ DEK

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General ordering data

Type	DEK 5/8 MM WS	Version
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	

Screwing



Klippon® Connect with clamping yoke Technology

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General ordering data

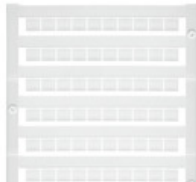
Type	BFSC M3X25	Version
Order No.	0292500000	Accessories, Mounting screw, for cross-connection link
GTIN (EAN)	4008190177027	
Qty.	100 pc(s).	

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Accessories

Blank



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General ordering data

Type	DEK 5/6 MC NE WS	Version
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1,000 pc(s).	

Test plug



Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

Type	PS 4 F.STB 4	Version
Order No.	0299600000	Accessories, Test plug
GTIN (EAN)	4008190074043	
Qty.	20 pc(s).	

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Accessories

End plates



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	AP SAK35/TW SAK16	Version
Order No.	0303660000	SAK Series, End plate, 1.5 mm, beige
GTIN (EAN)	4008190110765	
Qty.	10 pc(s).	
Type	AP SAK16	Version
Order No.	0271160000	SAK Series, End plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190120429	
Qty.	20 pc(s).	
Type	AP SAK16 BL	Version
Order No.	0271180000	SAK Series, End plate, 1.5 mm, blue, Direct mounting
GTIN (EAN)	4008190169800	
Qty.	20 pc(s).	
Type	AP SAK35/TW SAK16 BL	Version
Order No.	0303680000	SAK Series, End plate, 1.5 mm, blue
GTIN (EAN)	4008190025199	
Qty.	10 pc(s).	

Non-insulated sockets



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General ordering data

Type	STB 14/D6/4/M3 SAK10	Version
Order No.	0169900000	Accessories, Socket
GTIN (EAN)	4008190076665	
Qty.	50 pc(s).	

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Accessories

Blank



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General ordering data

Type	DEK 5/8 MC NE WS	Version
Order No.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 pc(s).	

Locking tabs



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	VL 2 SAK16/SAKA	Version
Order No.	0135800000	SAK Series, Cross-connection lug, for cross-connection link, Number
GTIN (EAN)	4008190132088	of poles: 2
Qty.	50 pc(s).	

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Accessories

Covers



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General ordering data

Type	AD 3 SAK16	Version
Order No.	0297800000	SAK Series, cover plate, yellow, 36 mm
GTIN (EAN)	4008190080884	
Qty.	50 pc(s).	