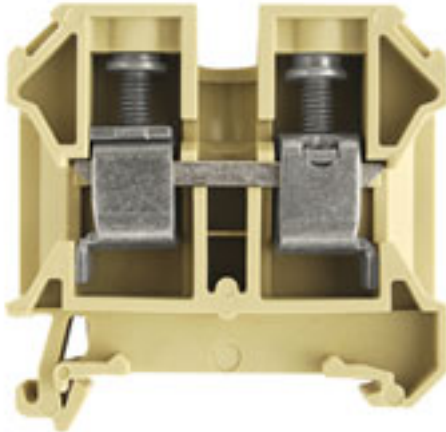


**SAK Series**  
**SAK 16/35 PA****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Product image****Klippon® Connect with clamping yoke Technology**

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.	<a href="#">0380660000</a>
Version	SAK Series, Feed-through terminal, Rated cross-section: 16 mm <sup>2</sup> , Screw connection, beige
GTIN (EAN)	4008 1901 18204
Qty.	50 pc(s).

Creation date April 30, 2020 11:19:02 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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**SAK 16/35 PA**

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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.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °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 <sup>2</sup>	Max. voltage (IECEX)	690 V
Current (IECEX)	66 A	Wire cross section max. (IECEX)	16 mm <sup>2</sup>
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 mm<sup>2</sup>

**Conductors for clamping (rated connection)**

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm <sup>2</sup>
Clamping range, min.	2.5 mm <sup>2</sup>	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm <sup>2</sup>	Connection cross-section, stranded, min.	4 mm <sup>2</sup>
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 <sup>2</sup>
Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>	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 <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	4 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	2.5 mm <sup>2</sup>

**Rating data**

Rated cross-section	16 mm <sup>2</sup>	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

**Data sheet**

**SAK Series**  
**SAK 16/35 PA**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation Of Conformity</a> <a href="#">CB Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">DE_PT1301_20160414_023_ISSUE01.pdf</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

Safety notice [Safety Information](#)

**Data sheet**

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**Accessories**

**Test plug**



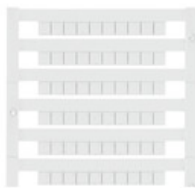
**Current and voltage transformer wiring**

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.	<a href="#">029960000</a>	Accessories, Test plug
GTIN (EAN)	4008190074043	
Qty.	20 pc(s).	

**Blank**



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

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- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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**General ordering data**

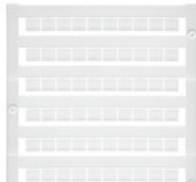
Type	DEK 5/5 MC NE WS	Version
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

## SAK Series SAK 16/35 PA

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# Accessories

## Custom printing



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## General ordering data

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

## Plus



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## General ordering data

Type	DEK 5/8 PLUS MC NE WS	Version	
Order No.	<a href="#">1046350000</a>		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**

**Custom printing**



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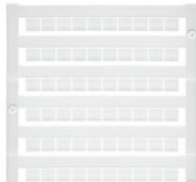
Type	DEK 5/8 MC SDR	Version
Order No.	<a href="#">1856750000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 pc(s).	
Type	DEK 5/8 PLUS MC SDR	Version
Order No.	<a href="#">1046370000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmueller, To customer specification
Qty.	160 pc(s).	

## SAK Series SAK 16/35 PA

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# Accessories

## Blank



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### General ordering data

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

## Non-insulated sockets



### 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	STB 14/D6/4/M3 SAK10	Version	
Order No.	<a href="#">0169900000</a>		Accessories, Socket
GTIN (EAN)	4008190076665		
Qty.	50 pc(s).		



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# Accessories

## Q / SAK



### Klippon® Connect with clamping yoke Technology

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### General ordering data

Type	Q 3 SAK16	Version
Order No.	<a href="#">0457600000</a>	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190022280	poles: 3
Qty.	50 pc(s).	
Type	Q 4 SAK16	Version
Order No.	<a href="#">0457700000</a>	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190070823	poles: 4
Qty.	50 pc(s).	
Type	Q 2 SAK16	Version
Order No.	<a href="#">0457500000</a>	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190055349	poles: 2
Qty.	50 pc(s).	
Type	Q 10 SAK16	Version
Order No.	<a href="#">0457800000</a>	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190082512	poles: 10
Qty.	20 pc(s).	

## End plates



### Klippon® Connect with clamping yoke Technology

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### General ordering data

Type	AP SAK16	Version
Order No.	<a href="#">0271160000</a>	SAK Series, End plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190120429	
Qty.	20 pc(s).	
Type	AP SAK16 BL	Version
Order No.	<a href="#">0271180000</a>	SAK Series, End plate, 1.5 mm, blue, Direct mounting
GTIN (EAN)	4008190169800	
Qty.	20 pc(s).	

## SAK Series SAK 16/35 PA

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## Accessories

Type	AP SAK35/TW SAK16 BL	Version
Order No.	<a href="#">0303680000</a>	SAK Series, End plate, 1.5 mm, blue
GTIN (EAN)	4008190025199	
Qty.	10 pc(s).	
Type	AP SAK35/TW SAK16	Version
Order No.	<a href="#">0303660000</a>	SAK Series, End plate, 1.5 mm, beige
GTIN (EAN)	4008190110765	
Qty.	10 pc(s).	

## Custom printing



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## General ordering data

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

**Data sheet**

**SAK Series  
SAK 16/35 PA**

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**Accessories**

**Covers**



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**General ordering data**

Type	AD 3 SAK16	Version
Order No.	<a href="#">0297800000</a>	SAK Series, cover plate, yellow, 36 mm
GTIN (EAN)	4008190080884	
Qty.	50 pc(s).	

**Screwing**



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**General ordering data**

Type	BFSC M3X25	Version
Order No.	<a href="#">0292500000</a>	Accessories, Mounting screw, for cross-connection link
GTIN (EAN)	4008190177027	
Qty.	100 pc(s).	

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**Accessories**
**DEK 5/8**

**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 5/8 MM WS	Version	
Order No.	<a href="#">2007130000</a>	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white	
GTIN (EAN)	4050118392012		
Qty.	500 pc(s).		

**Connection sleeves**


VH 12/4.9/3.3 024900

**Klippon® Connect with clamping yoke Technology**

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**General ordering data**

Type	VH 19/5/3.5 SAK4-16	Version	
Order No.	<a href="#">0285100000</a>	SAK Series, Connecting sleeve, for cross-connection link, Number of poles: 1	
GTIN (EAN)	4008190189297		
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.	<a href="#">1856740000</a>		Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850		Weidmueller, white
Qty.	800 pc(s).		

**Locking tabs**



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**General ordering data**

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