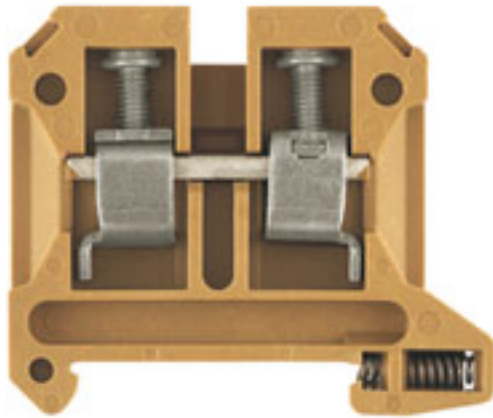


**SAK Series
SAK 16/35 KRG**

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

Delivery status	This article will no longer be available in the future.
Available until	2020-12-31
Type	SAK 16/35 KRG
Order No.	0380620000
Version	SAK Series, Feed-through terminal, Rated cross-section: 16 mm², Screw connection, medium yellow, Direct mounting
GTIN (EAN)	4008 19015386 1
Qty.	50 pc(s).
Alternative product	1020400000

Creation date April 30, 2020 11:18:34 PM CEST

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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	36.88 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.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	KrG	Colour	medium yellow
UL 94 flammability rating	V-0, 5VA		

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	Installation advice	Direct mounting
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 (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.	2.4 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	800 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

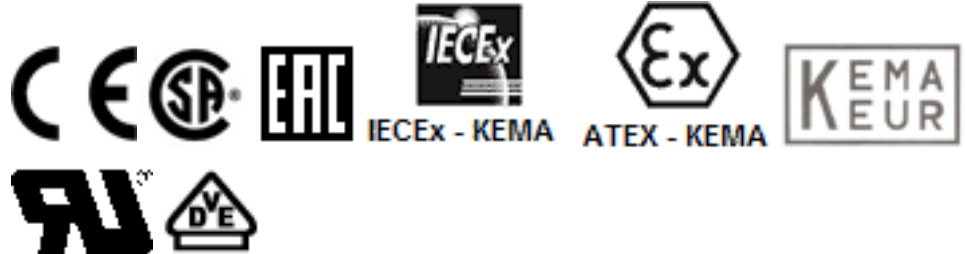
ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20	UNSPSC	30-21-18-11

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Technical data**Approvals**

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity DE_PT1311_20160414_022_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks

Safety noteSafety notice [Safety Information](#)

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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.	029960000	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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- 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

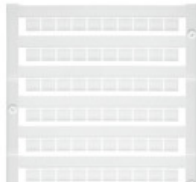
Type	DEK 5/5 MC NE WS	Version
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

SAK Series SAK 16/35 KRG

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Accessories

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).		

Plus



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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

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General ordering data

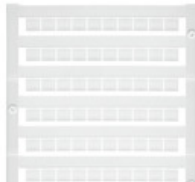
Type	DEK 5/8 MC SDR	Version
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 pc(s).	
Type	DEK 5/8 PLUS MC SDR	Version
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN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

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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).	

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 4 SAK16	Version
Order No.	0457700000	SAK Series, Cross-connector, for cross-connection link, Number of poles: 4
GTIN (EAN)	4008190070823	
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).	

Data sheet

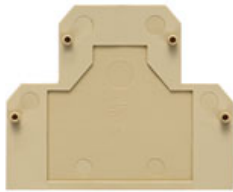
SAK Series SAK 16/35 KRG

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Accessories

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).		

End plates



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	AP SAK 16	Version	
Order No.	0271160000	SAK Series, End plate, 1.5 mm, beige, Direct mounting	
GTIN (EAN)	4008190120429		
Qty.	20 pc(s).		
Type	AP SAK 16 BL	Version	
Order No.	0271180000	SAK Series, End plate, 1.5 mm, blue, Direct mounting	
GTIN (EAN)	4008190169800		
Qty.	20 pc(s).		
Type	AP SAK 16 KRG	Version	
Order No.	0271120000	SAK Series, End plate, 3 mm, dark beige, yellow, Direct mounting	
GTIN (EAN)	4008190062606		
Qty.	20 pc(s).		
Type	AP SAK35/TW SAK 16 BL	Version	
Order No.	0303680000	SAK Series, End plate, 1.5 mm, blue	
GTIN (EAN)	4008190025199		
Qty.	10 pc(s).		
Type	AP SAK35/TW SAK 16	Version	
Order No.	0303660000	SAK Series, End plate, 1.5 mm, beige	
GTIN (EAN)	4008190110765		
Qty.	10 pc(s).		

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Accessories

QL / SAK 16



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General ordering data

Type	QL 4 SAK16	Version
Order No.	0470900000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190112257	poles: 4
Qty.	50 pc(s).	
Type	QL 3 SAK16	Version
Order No.	0470800000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190011574	poles: 3
Qty.	50 pc(s).	
Type	QL 2 SAK16	Version
Order No.	0470700000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190182618	poles: 2
Qty.	50 pc(s).	
Type	QL 10 SAK16	Version
Order No.	0471000000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190150761	poles: 10
Qty.	20 pc(s).	

SAK Series SAK 16/35 KRG

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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).		

Covers



Klippon® Connect with clamping yoke Technology

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General ordering data

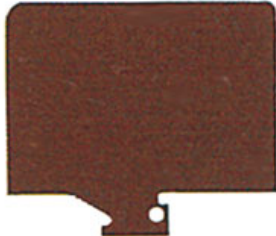
Type	AD 4 SAK 16	Version	
Order No.	0518200000	SAK Series, cover plate, yellow, 47.6 mm	
GTIN (EAN)	4008190122416		
Qty.	50 pc(s).		

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Accessories

Partition plates



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General ordering data

Type	TW SAK16 KRG	Version
Order No.	0281120000	SAK Series, Separation plate, 3 mm, dark beige, yellow, Used between
GTIN (EAN)	4008190072360	terminals, Direct mounting
Qty.	20 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
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.	2007130000	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

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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 poles: 1	
GTIN (EAN)	4008190189297		
Qty.	50 pc(s).		

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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



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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 of poles: 2
GTIN (EAN)	4008190132088		
Qty.	50 pc(s).		