SAK Series
SAK 16 BL

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 easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	SAK 16 BL
Order No.	0271080000
Version	SAK Series, Feed-through terminal, Rated cross-section: 16 mm², Screw connection, blue
GTIN (EAN)	4008190097578
Qty.	50 pc(s).

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Data sheet

SAK Series
SAK 16 BL

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	26.58 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	blue
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 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	66 A	Wire cross section max. (IECEX)	16 mm²
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 32	N-function	Yes
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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SAK 16 BL

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 mm²
Clamping range, min.	2.5 mm²	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm²	Connection cross-section, stranded, min.	4 mm²
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
Twin wire-end ferrules, max.	10 mm²	Twin wire-end ferrules, min.	1.5 mm²
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 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	16 mm²
Wire connection cross-section, finely stranded, min.	4 mm²	Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	2.5 mm²		

Rating data

Rated cross-section	16 mm²	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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SAK Series
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Technical data

Approvals

Approvals

ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity
	ATEX Certificate
	IECEx Certificate
	CB Certificate
	CB Test Certificate
	DE_PT1301_20160414_020_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Cross Connection Guide
	StorageConditionsTerminalBlocks

Safety note

Safety 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.	0299600000	Accessories, Test plug	
GTIN (EAN)	4008190074043		
Qty.	20 pc(s).		

Blank

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
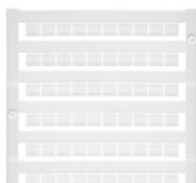- Available as blank MultiCard or with standard printing

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 5/5 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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Data sheet

SAK Series
SAK 16 BL

Weidmüller 3€

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Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Accessories

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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

Custom printing

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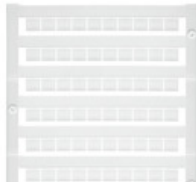
General ordering data

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 easer 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
GTIN (EAN)	4008190022280	poles: 3
Qty.	50 pc(s).	
Type	Q 4 SAK16	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 2 SAK16	Version
Order No.	0457500000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190055349	poles: 2
Qty.	50 pc(s).	

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Accessories

Type	Q 10 SAK16	Version	
Order No.	0457800000	SAK Series, Cross-connector, for cross-connection link, Number of	
GTIN (EAN)	4008190082512	poles: 10	
Qty.	20 pc(s).		

Small partition

Klippon® Connect with clamping yoke Technology
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General ordering data

Type	TSCH 1	Version
Order No.	0319160000	SAK Series, Small partition, beige, 2 mm
GTIN (EAN)	4008190097219	
Qty.	100 pc(s).	

End plates

Klippon® Connect with clamping yoke Technology
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General ordering data

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).	

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SAK Series
SAK 16 BL

Accessories

Type	AP SAK35/TW SAK16	Version	
Order No.	0303660000	SAK Series, End plate, 1.5 mm, beige	
GTIN (EAN)	4008190110765		
Qty.	10 pc(s).		

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).		

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Data sheet

SAK Series
SAK 16 BL

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Germany
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Fax: +49 5231 14-292083
www.weidmueller.com

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

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Accessories

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).		

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).		

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Accessories

Connection sleeves

Klippon® Connect with clamping yoke Technology
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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).	

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).	

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SAK Series
SAK 16 BL

Accessories

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

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