

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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

Version	SAK Series, Feed-through terminal, Rated cross- section: 2.5 mm², Screw connection, blue
Order No.	0380480000
Туре	SAK 2.5/35 BL
GTIN (EAN)	4008190131869
Qty.	100 pc(s).



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Technical data

Dime	nsions	and	weights
	HOIVIIG	and	WEIGHTS

Depth	40 mm	Depth (inches)	1.575 inch
Height	44.5 mm	Height (inches)	1.752 inch
Width	6.1 mm	Width (inches)	0.24 inch
Net weight	6.8 g		

Temperatures

Storage temperature	-25 °C55 °C	Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex- Certificate of Conformity
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)	TUEV18ATEX8207U	Certificate No. (IECEX)	IECEXTUR18.0017U
Max. voltage (ATEX)	690 V	Current (ATEX)	24 A
Wire cross section max. (ATEX)	6 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	6 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		Ex ep il C dp

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	Yes
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1	
Open sides	right	Type of mounting	Snap-on	

CSA rating data

Certificate No. (CSA)	12400-129	Current size C (CSA)	25 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 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.

 4 mm^2

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm ²
Clamping range, min.	0.13 mm ²	Clamping screw	M 2.5
Connection cross-section, stranded,		Connection cross-section, stranded, m	in.
max.	4 mm ²		0.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	2	Stripping length	10 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric		Twin wire-end ferrules, max.	
screwdriver	1		1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG,		Wire connection cross section, finely	
min.	AWG 26	stranded, max.	4 mm ²
Wire connection cross section, finely		Wire connection cross-section, finely	
stranded, min.		stranded with wire-end ferrules DIN	
	0.5 mm ²	46228/1, max.	4 mm ²
Wire connection cross-section, finely		Wire connection cross-section, finely	
stranded with wire-end ferrules DIN	0.5	stranded with wire-end ferrules DIN	4 0
46228/1, min.	0.5 mm ²	46228/4, max.	4 mm ²
Wire connection cross-section, finely		Wire connection cross-section, solid	
stranded with wire-end ferrules DIN		core, max.	
46228/4, min.	0.5 mm ²		6 mm ²
Wire connection cross-section, solid	·		
core, min.	0.5 mm ²		

General

Rail	TS 35	Standards	IEC 60947-7-1	
Wire connection cross section AWG,				
min.	AWG 26			

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated current	24 A	Current at maximum wires	41 A
Standards		Volume resistance according to IEC	
	IEC 60947-7-1	60947-7-x	1.33 mΩ
Rated impulse withstand voltage		Power loss in accordance with IEC	
	8 kV	60947-7-x	0.77 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	20 A
Voltage size C (UR)	600 V		



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Technical data

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

Approvals

Approvals





ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of	Attestation of Conformity
Conformity	<u>CFAT SAK 2.5/35</u>
	<u>CB Certificate</u>
	CB Test Certificate
	EAC certificate
	DNVGL certificate
	Lloyds Register Certificate
	MARITREG Certificate
	EAC EX Certificate
	IECEx Certificate
	ATEX Certificate
	Declaration of Conformity
	CE Declaration of Conformity all terminals
Engineering Data	EPLAN, WSCAD
Product Change Notification	20210308 Technical Change SAK PA 35
User Documentation	Usage of terminals in EXi atmospheres
	<u>StorageConditionsTerminalBlocks</u>
	NTI SAK 2.5/35
Catalogues	Catalogues in PDF-format



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Accessories

SAK-Series



A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

Туре	TSCH 1	Version
Order No.	0319160000	SAK Series, Small partition, beige, 2 mm
GTIN (EAN)	4008190097219	
Qty.	100 pc(s).	
Туре	TW SAK2.5	Version
Order No.	0302860000	SAK Series, Partition plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190032968	
Qty.	20 pc(s).	
Туре	TW SAK2.5 BL	Version
Order No.	0302880000	SAK Series, Partition plate, 1.5 mm, blue, Direct mounting
GTIN (EAN)	4008190047948	
Qty.	20 pc(s).	

SAK-Series



End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

Туре	AP SAK2.5 BL	Version
Order No.	0279580000	SAK Series, End plate, 1.5 mm, blue, Direct mounting
GTIN (EAN)	4008190050702	
Qty.	20 pc(s).	
Туре	AP SAK2.5	Version
Type Order No.	AP SAK2.5 0279560000	Version SAK Series, End plate, 1.5 mm, beige, Direct mounting



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Accessories

DEK 5/6



WS/ DEK

MultiMark terminal 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
Order No. 2007120000
GTIN (EAN) 4050118392104
Oty. 600 pc(s).

Version

Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white

Testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type STB 8.5/5/2.3/M3 SAK2.5 Order No. 0280600000

Order No. <u>0280600000</u> GTIN (EAN) 4008190023188

Qty. 50 pc(s).

Version

Accessories, Socket



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Accessories

Q/SAK



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

Q 10 SAK2.5	Version
0368700000	SAK Series, Cross-connector, for cross-connection link, Number of
4008190107796	poles: 10
20 pc(s).	
Q 2 SAK2.5	Version
0337000000	SAK Series, Cross-connector, for cross-connection link, Number of
4008190005801	poles: 2
50 pc(s).	
Q 4 SAK2.5	Version
0337200000	SAK Series, Cross-connector, for cross-connection link, Number of
4008190142902	poles: 4
50 pc(s).	
,	
Q 3 SAK2.5	Version
	Version SAK Series, Cross-connector, for cross-connection link, Number of
Q 3 SAK2.5	
	0368700000 4008190107796 20 pc(s). Q 2 SAK2.5 0337000000 4008190005801 50 pc(s). Q 4 SAK2.5 0337200000



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Accessories

Custom printing



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

Туре	DEK 5/6 PLUS MC SDR	Version
Order No.	1038650000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248767908	Weidmueller, To customer specification
Qty.	200 pc(s).	
Туре	DEK 5/6 MC SDR	Version
Type Order No.	DEK 5/6 MC SDR 1609830000	Version Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
	,	

Test plugs



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

 Type
 PS 2.3 RT
 Version

 Order No.
 0180400000
 Accessories, Test plug

 GTIN (EAN)
 4008190060121

 Oty.
 20 pc(s).



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Accessories

SAK-Series



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Туре AD 3 SAK2.5 Order No. 0297900000 GTIN (EAN) 4008190038229

50 pc(s).

SAK Series, cover plate, yellow, 18 mm

Plus

Qty.



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General ordering data

Qty.

Туре DEK 5/6 PLUS MC NE WS Version Order No. 1011320000

Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00

4032248717644 Weidmueller, white 1,000 pc(s).

GTIN (EAN)



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Accessories

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.

- 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.

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Туре	DEK 5/6 MC NE BR	Version
Order No.	1454900000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323313	Weidmueller, brown
Qty.	1,000 pc(s).	
Туре	DEK 5/6 MC NE BL	Version
Order No.	1238290000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118267327	Weidmueller, blue
Qty.	1,000 pc(s).	
Туре	DEK 5/6 MC NE OR	Version
Order No.	<u>1912090000</u>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248540525	Weidmueller, orange
Qty.	1,000 pc(s).	
Туре	DEK 5/6 MC NE GR	Version
Order No.	1238330000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323306	Weidmueller, grey
Qty.	1,000 pc(s).	
Туре	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).	
Туре	DEK 5/6 MC NE GE	Version
Order No.	<u>1238280000</u>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118038750	Weidmueller, yellow
Qty.	1,000 pc(s).	
Туре	DEK 5/6 MC NE GN	Version
Order No.	1238310000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118271812	Weidmueller, green
Qty.	1,000 pc(s).	

Mouser Electronics

Authorized Distributor

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Weidmuller: 0380480000