

SAK Series
SAK 10

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany
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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 10
Order No.	0110060000
Version	SAK Series, Feed-through terminal, Rated cross-section: 10 mm ² , Screw connection, beige
GTIN (EAN)	4008 190027056
Qty.	100 pc(s).

Creation date April 30, 2020 6:58:38 PM CEST

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

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Technical data**Dimensions and weights**

Width	10 mm	Width (inches)	0.394 inch
Height	40 mm	Height (inches)	1.575 inch
Depth	49 mm	Depth (inches)	1.929 inch
Net weight	18.95 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)	550 V	Current (ATEX)	50 A
Wire cross section max. (ATEX)	10 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	50 A	Wire cross section max. (IECEX)	10 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 32	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)	65 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	6 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. 10 mm²

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm ²
Clamping range, min.	1.5 mm ²	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	2.64 Nm	Tightening torque, min.	2 Nm
Twin wire-end ferrules, max.	6 mm ²	Twin wire-end ferrules, min.	0.75 mm ²
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²
Wire connection cross-section, finely stranded, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	10 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

Rating data

Rated cross-section	10 mm ²	Rated voltage	800 V
Rated current	57 A	Current at maximum wires	76 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Power loss in accordance with IEC 60947-7-x	1.82 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	14 AWG	Current size C (UR)	60 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

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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_PT1331_20160414_011_ISSUE01.pdf
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks

Safety note

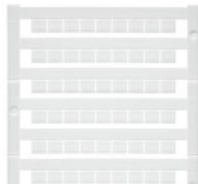
Safety notice [Safety Information](#)

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Accessories

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 5/6.5 MC NE WS	Version
Order No.	1609840000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203429	Weidmueller, white
Qty.	900 pc(s).	

End bracket



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	EWK 1	Version
Order No.	0206160000	Accessories, End bracket
GTIN (EAN)	4008190080020	
Qty.	50 pc(s).	
Type	EWK 2	Version
Order No.	0199360000	Accessories, End bracket
GTIN (EAN)	4008190023546	
Qty.	50 pc(s).	
Type	EW 35	Version
Order No.	0383560000	Accessories, End bracket
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	

SAK Series SAK 10

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Accessories

Type	WEW 32/1	Version
Order No.	1067600000	W-Series, End bracket
GTIN (EAN)	4008190099657	
Qty.	50 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).	

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

Plus



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- Terminal markers, suitable for all Weidmüller cable connectors
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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).		

Custom printing



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- 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

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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).	

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 SAK 10	Version
Order No.	0457200000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190135379	poles: 3
Qty.	50 pc(s).	
Type	Q 2 SAK 10	Version
Order No.	0457100000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190103545	poles: 2
Qty.	50 pc(s).	
Type	Q 4 SAK 10	Version
Order No.	0457300000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190129750	poles: 4
Qty.	50 pc(s).	
Type	Q 10 SAK 10	Version
Order No.	0457400000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190016166	poles: 10
Qty.	20 pc(s).	

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Accessories

Small partition



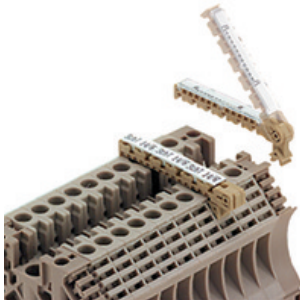
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General ordering data

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

SchT group marker carrier



The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw. The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

SchT 9/4 and SchT 14/6 are hinged group tag carriers for single dekafix and WS tags that enable easy access to the clamping screw.

SchT 9/4 and SchT 14/6 are fitted with WS or DEK. Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	SCHT 7	Version
Order No.	0517960000	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00
GTIN (EAN)	4008190001742	Weidmueller, white
Qty.	20 pc(s).	

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Accessories

End plates



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General ordering data

Type	AP SAK4-10 I	Version
Order No.	0117910000	SAK Series, End plate, 1.5 mm, Light Grey, Direct mounting
GTIN (EAN)	4008190183707	
Qty.	20 pc(s).	
Type	AP SAK4-10	Version
Order No.	0117960000	SAK Series, End plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190081485	
Qty.	20 pc(s).	
Type	AP SAK4-10 RT	Version
Order No.	0117900000	SAK Series, End plate, 1.5 mm, red, Direct mounting
GTIN (EAN)	4008190125059	
Qty.	20 pc(s).	
Type	AP SAK4-10 DB	Version
Order No.	0105100000	SAK Series, End plate, 1.5 mm, dark beige, Direct mounting
GTIN (EAN)	4008190394875	
Qty.	20 pc(s).	
Type	AP SAK4-10 BL	Version
Order No.	0117980000	SAK Series, End plate, 1.5 mm, blue, Direct mounting
GTIN (EAN)	4008190171087	
Qty.	20 pc(s).	

Test adapter



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General ordering data

Type	STA 1/ZA SAK4-10	Version
Order No.	1632450000	SAK Series, Test adapter
GTIN (EAN)	4008190209636	
Qty.	25 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).		

Covers



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General ordering data

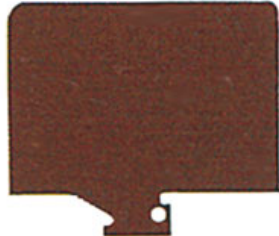
Type	AD 4 SAK10	Version	
Order No.	0178600000	SAK Series, cover plate, yellow, 25 mm	
GTIN (EAN)	4008190068288		
Qty.	50 pc(s).		

SAK Series SAK 10

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Accessories

Partition plates



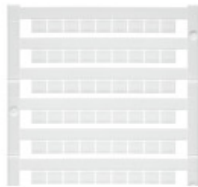
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General ordering data

Type	TW SAK4-10 HP/DBR/0.5	Version
Order No.	0197100000	SAK Series, Separation plate, 0.5 mm, brown, dark beige, Direct mounting
GTIN (EAN)	4008190146627	
Qty.	20 pc(s).	
Type	TW 4 SAK4-10	Version
Order No.	0130160000	SAK Series, Separation plate, 1.5 mm, beige
GTIN (EAN)	4008190096335	
Qty.	20 pc(s).	
Type	TW 4 SAK4-10 BL	Version
Order No.	0130180000	SAK Series, Separation plate, 1.5 mm, blue
GTIN (EAN)	4008190114138	
Qty.	20 pc(s).	

Custom printing



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General ordering data

Type	DEK 5/6.5 MC SDR	Version
Order No.	1609850000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190456610	Weidmueller, To customer specification
Qty.	180 pc(s).	

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Accessories

Screwing



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General ordering data

Type	BFSC M3X25	Version
Order No.	029250000	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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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
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).	

Data sheet

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Accessories

Locking tabs



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General ordering data

Type	VL 2 SAK6/10/SAKB	Version
Order No.	0135900000	SAK Series, Cross-connection lug, for cross-connection link, Number
GTIN (EAN)	4008190036409	of poles: 2
Qty.	50 pc(s).	