

SAK Series
SAK 4 SS 6.3/2.8

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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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 4 SS 6.3/2.8
Order No.	0479660000
Version	SAK Series, Feed-through terminal, Rated cross-section: 2.5 mm², Flat-blade connection, Direct mounting
GTIN (EAN)	4008190185527
Qty.	100 pc(s).

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Technical data
Dimensions and weights

Width	6.5 mm	Width (inches)	0.256 inch
Height	40 mm	Height (inches)	1.575 inch
Depth	51.5 mm	Depth (inches)	2.028 inch
Weight	9.06 g	Net weight	8.57 g

Temperatures

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		

System specifications

Version	With cable lug connection F2.8, With cable lug connection F6.3, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Rail	TS 32	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)	12400-129	Current size C (CSA)	13 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	14 AWG
Wire cross section min. (CSA)	18 AWG		

Conductors for clamping (rated connection)

Clamping range, max.	2.5 mm ²	Clamping range, min.	0.5 mm ²
Connection direction	on side	Number of connections	4
Type of connection	Flat-blade connection	Wire connection cross section, finely stranded, max.	2.5 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²		

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Technical data**Other connections**

Cable-lug connection

Slotted

Rated cross-section spade connector 2.8

mm

1 mm²Rated cross-section spade connector 6.3
mm2.5 mm²**Rating data**

Rated cross-section

2.5 mm²

Rated voltage

500 V

Rated current

20 A

Current at maximum wires

20 A

Standards

IEC 61210, In accordance
with IEC 60947-7-1Volume resistance according to IEC
60947-7-x

1.33 mΩ

Power loss in accordance with IEC
60947-7-x

0.77 W

Rated impulse withstand voltage

6 kV

Pollution severity

3

UL rating data

Certificate No. (UR)

E60693

Conductor size Factory wiring max. (UR)

12 AWG

Conductor size Factory wiring min. (UR)

26 AWG

Conductor size Field wiring max. (UR)

12 AWG

Conductor size Field wiring min. (UR)

26 AWG

Current size C (UR)

25 A

Voltage size C (UR)

300 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

Approvals

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PT1331_20160418_412_ISSUE01.pdf](#)

Engineering Data

[EPLAN, WSCAD](#)

User Documentation

[StorageConditionsTerminalBlocks](#)**Safety note**

Safety notice

[Safety Information](#)

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Accessories

QL / SAK 4



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	QL 10 SAK4	Version
Order No.	0338200000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190107413	poles: 10
Qty.	20 pc(s).	
Type	QL 3 SAK4	Version
Order No.	0130700000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190085117	poles: 3
Qty.	100 pc(s).	
Type	QL 2 SAK4	Version
Order No.	0130600000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190077372	poles: 2
Qty.	100 pc(s).	
Type	QL 4 SAK4	Version
Order No.	0130800000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190173715	poles: 4
Qty.	50 pc(s).	

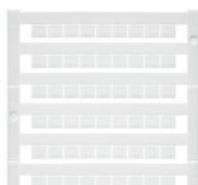
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Accessories

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).	

Plus



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General ordering data

Type	DEK 5/6 PLUS MC NE WS	Version
Order No.	1011320000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248717644	Weidmueller, white
Qty.	1,000 pc(s).	

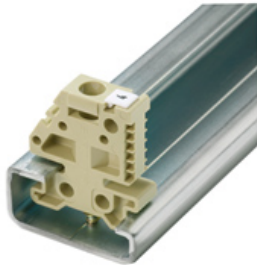
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Accessories

End bracket



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General ordering data

Type	EWK 1	Version
Order No.	0206160000	Accessories, End bracket
GTIN (EAN)	4008190080020	
Qty.	50 pc(s).	

Insulation sleeve



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	IH 2.8 DB	Version
Order No.	0386060000	W-Series, Insulating sleeve
GTIN (EAN)	4008190043414	
Qty.	100 pc(s).	
Type	IH 6.3 WEM GE	Version
Order No.	0386260000	W-Series, Insulating sleeve
GTIN (EAN)	4008190164256	
Qty.	100 pc(s).	
Type	IH 4.8 DB	Version
Order No.	0386160000	W-Series, Insulating sleeve
GTIN (EAN)	4008190141004	
Qty.	100 pc(s).	

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Accessories

Partition plates



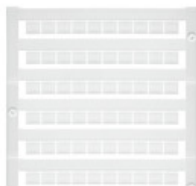
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General ordering data

Type	WTW EN	Version
Order No.	1058800000	W-Series, Separation plate
GTIN (EAN)	4008190140175	
Qty.	20 pc(s).	

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).	

Type	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).	

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Accessories

Blank



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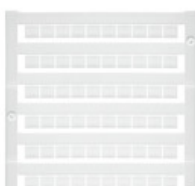
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- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
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General ordering data

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).	

Blank



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- Terminal markers, suitable for all Weidmüller cable connectors
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General ordering data

Type	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).	

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Accessories

Type	DEK 5/6 MC NE GE	Version
Order No.	1238280000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118038750	Weidmueller, yellow
Qty.	1,000 pc(s).	
Type	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).	
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).	
Type	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).	
Type	DEK 5/6 MC NE OR	Version
Order No.	1912090000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248540525	Weidmueller, orange
Qty.	1,000 pc(s).	
Type	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).	

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Accessories

DEK 5/6



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.

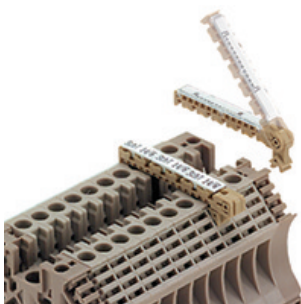
Your benefits with MultiMark

- 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 5/6 MM WS	Version
Order No.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 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



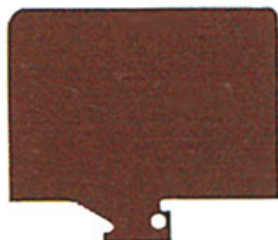
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General ordering data

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).	

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).	

SAK Series

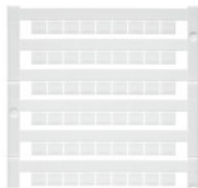
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Accessories

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).	
Type	TW SAK2.5 HP/TF/GE/1	Version
Order No.	0297100000	SAK Series, Separation plate, 1 mm, yellow, Direct mounting
GTIN (EAN)	4008190161545	
Qty.	20 pc(s).	

Custom printing



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GTIN (EAN)	4008190456610	Weidmueller, To customer specification
Qty.	180 pc(s).	