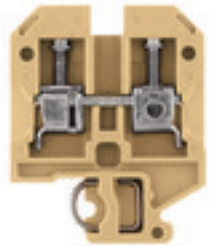


**SAK Series**  
**SAK 4**

**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**

Type	SAK 4
Order No.	<a href="#">1716240000</a>
Version	SAK Series, Feed-through terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4008 190377 137
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	12.33 g	Net weight	11.077 g

**Temperatures**

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	10 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C... 10 °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)	28 A
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	28 A	Wire cross section max. (IECEX)	4 mm <sup>2</sup>
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	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)	36 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<sup>2</sup>

**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A4
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1 Nm	Tightening torque, min.	0.5 Nm
Torque level with DMS electric screwdriver	2	Twin wire-end ferrules, max.	2.5 mm <sup>2</sup>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

**Rating data**

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	800 V
Rated current	32 A	Current at maximum wires	41 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1 mΩ
Power loss in accordance with IEC 60947-7-x	1.02 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	10 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	30 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	<a href="#">Attestation Of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">IECEx Certificate</a> <a href="#">CB Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">DE_PT1331_20160418_400_ISSUE01.pdf</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Cross Connection Guide</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

Safety notice [Safety Information](#)

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**Accessories**

**Screwing**



**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	BFSC M3X25	Version
Order No.	<a href="#">0292500000</a>	Accessories, Mounting screw, for cross-connection link
GTIN (EAN)	4008190177027	
Qty.	100 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**

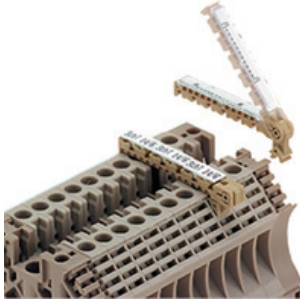
Type	PS 2.3 RT	Version
Order No.	<a href="#">0180400000</a>	Accessories, Test plug
GTIN (EAN)	4008190060121	
Qty.	20 pc(s).	

## SAK Series SAK 4

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# Accessories

## 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.	<a href="#">0517960000</a>	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00
GTIN (EAN)	4008190001742	Weidmueller, white
Qty.	20 pc(s).	

## Connection sleeves



VH 12/4.9/3.3 024900

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### General ordering data

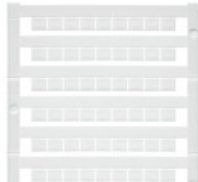
Type	VH 19/5/3.5 SAK4-16	Version
Order No.	<a href="#">0285100000</a>	SAK Series, Connecting sleeve, for cross-connection link, Number of
GTIN (EAN)	4008190189297	poles: 1
Qty.	50 pc(s).	
Type	VH 13.5/4.9/3.3 SAK4	Version
Order No.	<a href="#">0248500000</a>	SAK Series, Connecting sleeve, for cross-connection link, Number of
GTIN (EAN)	4008190022723	poles: 1
Qty.	100 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.	<a href="#">1609840000</a>		Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203429		Weidmueller, white
Qty.	900 pc(s).		

## Locking tabs



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### General ordering data

Type	VL 2 SAK4	Version	
Order No.	<a href="#">0197000000</a>		SAK Series, Cross-connection lug, for cross-connection link, Number of poles: 2
GTIN (EAN)	4008190000271		
Qty.	50 pc(s).		

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**Accessories**

**Test adapter**



**Klippon® Connect with clamping yoke Technology**

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**General ordering data**

Type	STA 1/ZA SAK4-10	Version
Order No.	<a href="#">1632450000</a>	SAK Series, Test adapter
GTIN (EAN)	4008190209636	
Qty.	25 pc(s).	

**Non-insulated sockets**



**Klippon® Connect with clamping yoke Technology**

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**General ordering data**

Type	STB 14/D5/2.3/M3 SAK2.5	Version
Order No.	<a href="#">0168600000</a>	SAK Series, Socket
GTIN (EAN)	4008190135225	
Qty.	50 pc(s).	



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**Accessories**

**Covers**



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**General ordering data**

Type	AD 4 SAK4	Version
Order No.	<a href="#">0285300000</a>	SAK Series, cover plate, yellow, 25.6 mm
GTIN (EAN)	4008190072902	
Qty.	50 pc(s).	

**Q / SAK**



**Klippon® Connect with clamping yoke Technology**

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**General ordering data**

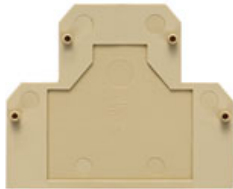
Type	Q 10 SAK4	Version
Order No.	<a href="#">0368800000</a>	SAK Series, Cross-connector, for cross-connection link, Number of poles: 10
GTIN (EAN)	4008190049478	
Qty.	20 pc(s).	
Type	Q 2 SAK4	Version
Order No.	<a href="#">0336700000</a>	SAK Series, Cross-connector, for cross-connection link, Number of poles: 2
GTIN (EAN)	4008190033842	
Qty.	50 pc(s).	
Type	Q 3 SAK4	Version
Order No.	<a href="#">0336800000</a>	SAK Series, Cross-connector, for cross-connection link, Number of poles: 3
GTIN (EAN)	4008190089795	
Qty.	50 pc(s).	
Type	Q 4 SAK4	Version
Order No.	<a href="#">0336900000</a>	SAK Series, Cross-connector, for cross-connection link, Number of poles: 4
GTIN (EAN)	4008190036201	
Qty.	50 pc(s).	

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# Accessories

## End plates



### Klippon® Connect with clamping yoke Technology

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### General ordering data

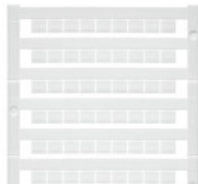
Type	AP SAK4-10 DB	Version
Order No.	<a href="#">0105100000</a>	SAK Series, End plate, 1.5 mm, dark beige, Direct mounting
GTIN (EAN)	4008190394875	
Qty.	20 pc(s).	
Type	AP SAK4-10	Version
Order No.	<a href="#">0117960000</a>	SAK Series, End plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190081485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

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# Accessories

## 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

**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 SDR	Version
Order No.	<a href="#">1609850000</a>	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).	

## Small partition



### Klippon® Connect with clamping yoke Technology

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## General ordering data

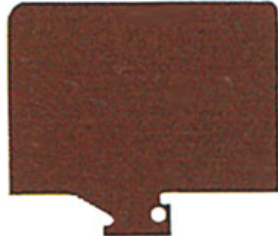
Type	TSCH 2	Version
Order No.	<a href="#">0353660000</a>	SAK Series, Small partition, beige, 0.6 mm
GTIN (EAN)	4008190128432	
Qty.	100 pc(s).	
Type	TSCH 1	Version
Order No.	<a href="#">0319160000</a>	SAK Series, Small partition, beige, 2 mm
GTIN (EAN)	4008190097219	
Qty.	100 pc(s).	

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**Accessories**

**Partition plates**



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**General ordering data**

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