

**SAK Series
AKZ 4 SW 1X1**

Weidmüller Interface GmbH & Co. KG
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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

Delivery status	This article will no longer be available in the future.
Available until	2020-12-31
Type	AKZ 4 SW 1X1
Order No.	0445860000
Version	SAK Series, Feed-through terminal, Rated cross-section: 4 mm ² , Screw connection
GTIN (EAN)	4008190021733
Qty.	100 pc(s).
Alternative product	9537110000

Creation date April 30, 2020 11:45:21 PM CEST

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Technical data

Dimensions and weights

Width	6 mm	Width (inches)	0.236 inch
Height	27 mm	Height (inches)	1.063 inch
Depth	30.5 mm	Depth (inches)	1.201 inch
Weight	5.28 g	Net weight	5.12 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	Screw connection, With elbow 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 15	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)	12400-143	Current size C (CSA)	10 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	24 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²
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Technical data**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.2 mm ²	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	1	Stripping length	8 mm
Tightening torque, max.	0.8 Nm	Tightening torque, min.	0.6 Nm
Torque level with DMS electric screwdriver	2	Twin wire-end ferrules, max.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Dimensions

TS 15 offset	13.5 mm
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Other connections

Pin	1 x 1	Pin arrangement	top
Pin on side	right		

Rating data

Rated cross-section	4 mm ²	Rated voltage	250 V
Rated current	10 A	Current at maximum wires	10 A
Standards	In accordance with 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	4 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)	22 AWG	Current size C (UR)	10 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

Data sheet**SAK Series**
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Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PT1371_20160418_017_ISSUE01.pdf](#)

Engineering Data

[EPLAN_WSCAD](#)

Engineering Data

[STEP](#)

User Documentation

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

Safety notice

[Safety Information](#)

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Accessories

Q / AKZ



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	Q 2 AKZ4	Version
Order No.	0336400000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190037680	poles: 2
Qty.	50 pc(s).	
Type	Q 2 AKZ4SS	Version
Order No.	0369000000	SAK Series, Cross-connector, Number of poles: 2
GTIN (EAN)	4008190143589	
Qty.	50 pc(s).	
Type	Q 3 AKZ1.5	Version
Order No.	0368300000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190074913	poles: 3
Qty.	50 pc(s).	
Type	Q 4 AKZ1.5	Version
Order No.	0368400000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190153892	poles: 4
Qty.	50 pc(s).	
Type	Q 10 AKZ1.5	Version
Order No.	0368500000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190159481	poles: 10
Qty.	20 pc(s).	
Type	Q 10 AKZ4SS	Version
Order No.	0369300000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190065744	poles: 10
Qty.	20 pc(s).	
Type	Q 2 AKZ1.5	Version
Order No.	0368200000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190149987	poles: 2
Qty.	50 pc(s).	
Type	Q 3 AKZ4	Version
Order No.	0336500000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190121730	poles: 3
Qty.	50 pc(s).	
Type	Q 10 AKZ4	Version
Order No.	0368600000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190056766	poles: 10
Qty.	20 pc(s).	

Data sheet

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Accessories

Type	Q 4 AKZ4	Version
Order No.	0336600000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190096656	poles: 4
Qty.	50 pc(s).	

Test plug



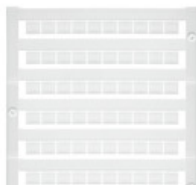
Current and voltage transformer wiring

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 2.3 RT	Version
Order No.	0180400000	Accessories, Test plug
GTIN (EAN)	4008190060121	
Qty.	20 pc(s).	

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

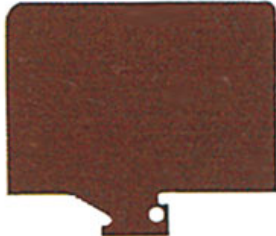
Type	DEK 5/6 MC SDR	Version
Order No.	1609830000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603	Weidmueller, To customer specification
Qty.	200 pc(s).	

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Accessories

Partition plates



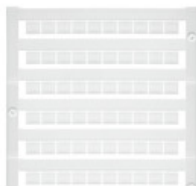
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General ordering data

Type	TW AKZ4	Version
Order No.	0348260000	SAK Series, Separation plate, 0.6 mm, dark beige, Used between
GTIN (EAN)	4008190128241	terminals
Qty.	50 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 5/6 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).	

Data sheet

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Accessories

Non-insulated sockets



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General ordering data

Type	STB 8.5/D4/2.3/M2.5 AKZ	Version
Order No.	0215700000	Accessories, Socket
GTIN (EAN)	4008190184872	
Qty.	50 pc(s).	

Connection sleeves



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VH 12/4.9/3.3 024900

General ordering data

Type	VH 10/4/2.8 AKZ4	Version
Order No.	0446600000	SAK Series, Connecting sleeve, for cross-connection link, Number of poles: 1
GTIN (EAN)	4008190176211	
Qty.	50 pc(s).	

Data sheet

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Accessories

Small partition



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General ordering data

Type	TSCH 4 AKZ4	Version
Order No.	0363360000	SAK Series, Small partition, beige, 6 mm
GTIN (EAN)	4008190136680	
Qty.	100 pc(s).	

Locking tabs



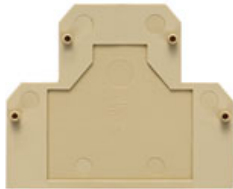
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General ordering data

Type	VL 2 AKZ4/DK4	Version
Order No.	0446700000	SAK Series, Cross-connection lug, for cross-connection link, Number
GTIN (EAN)	4008190055486	of poles: 2
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 AKZ4	Version
Order No.	0294460000	SAK Series, End plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190466268	
Qty.	20 pc(s).	