

**SAK Series
AKZ 2.5****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

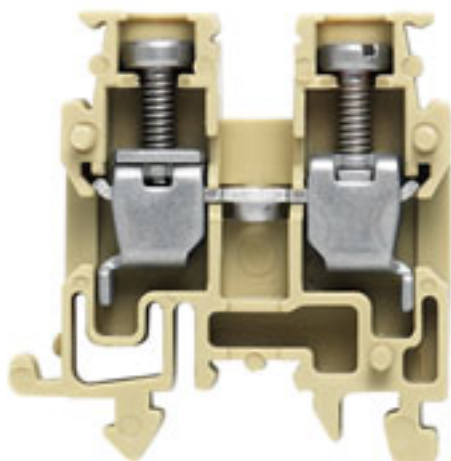
D-32758 Detmold

Germany

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**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	AKZ 2.5
Order No.	0697160000
Version	SAK Series, Feed-through terminal, Rated cross-section: 2.5 mm ² , Screw connection
GTIN (EAN)	4008190121716
Qty.	100 pc(s).

SAK Series
AKZ 2.5

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Technical data
Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	25.5 mm	Height (inches)	1.004 inch
Depth	26.3 mm	Depth (inches)	1.035 inch
Depth including DIN rail	27.1 mm	Weight	3.75 g
Net weight	3.439 g		

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C
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Material data

Material	PA 66	Colour	beige / yellow
UL 94 flammability rating	V-2		

Rating data IECEx/ATEX

Certificate No. (ATEX)	SIRA02ATEX3001U	Certificate No. (IECEX)	IECEXSIR05.0038U
Max. voltage (ATEX)	176 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	176 V
Current (IECEX)	21 A	Wire cross section max. (IECEX)	2.5 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex e II
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, With assembly peg, for screwable cross-connection, One end without connector	Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm
End cover plate required	Yes	Number of potentials	1
Number of levels	1	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 15
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)	200039-2 124451	Current size C (CSA)	10 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	3.0 x 0.5 mm	Clamping range, rated connection, max.	4 mm ²
Clamping range, rated connection, min.	0.13 mm ²	Clamping screw	M 2.5
Connection direction		Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²
	on side	Number of connections	2
Gauge to IEC 60947-1	A3	Tightening torque, max.	0.6 Nm
Stripping length	7 mm	Torque level with DMS electric screwdriver	1
Tightening torque, min.	0.4 Nm	Twin wire-end ferrules, min.	0.5 mm ²
Twin wire-end ferrules, max.	1.5 mm ²	Wire connection cross section AWG, max.	AWG 12
Type of connection	Screw connection	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded, max.	2.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross section, solid core max. rated connection	4 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²		

Dimensions

TS 15 offset	11.25 mm
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Rating data

Rated cross-section	2.5 mm ²	Rated voltage	250 V
Rated current	24 A	Current at maximum wires	32 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
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 B (UR)	10 A
Current size D (UR)	10 A	Voltage size B (UR)	300 V
Voltage size D (UR)	300 V		

Classifications

ETIM 3.0	EC001283	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

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Technical data

Product information

Descriptive text ordering data	AKZ 2.5 order No. 0697160000 and 0697180000 made of PA with flammability rating acc. to UL 94/V-2
Descriptive text accessories	Cross-connections, see section "W series accessories".

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	CFAT_AKZ 2.5.pdf CB Zertifikat CB Test Zertifikat DE_PT1371_20160418_010_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S

Safety note

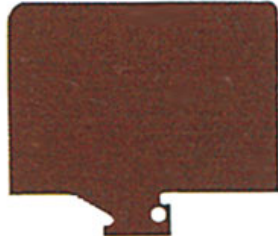
Safety notice	Safety Information
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Accessories

Partition plates



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TW AKZ2.5	0318560000	SAK Series, Separation plate, 1.5 mm, Beige, Direct mounting	4008190062033	20 pc(s).

End plates



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
AP AKZ2.5 BL	0697380000	SAK Series, End plate, 2.5 mm, Blue, Direct mounting	4008190018269	50 pc(s).
AP AKZ2.5	0697360000	SAK Series, End plate, 2.5 mm, Beige, Direct mounting	4008190098865	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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC NE WS	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, White	4008190397111	1,000 pc(s).

Q / AKZ



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
Q 4 AKZ1.5	0368400000	SAK Series, Cross-connector, for cross-connection link, No. of poles: 4	4008190153892	50 pc(s).
Q 3 AKZ1.5	0368300000	SAK Series, Cross-connector, for cross-connection link, No. of poles: 3	4008190074913	50 pc(s).
Q 10 AKZ1.5	0368500000	SAK Series, Cross-connector, for cross-connection link, No. of poles: 10	4008190159481	20 pc(s).
Q 2 AKZ1.5	0368200000	SAK Series, Cross-connector, for cross-connection link, No. of poles: 2	4008190149987	50 pc(s).

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Accessories

Non-insulated sockets



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General ordering data

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

End bracket



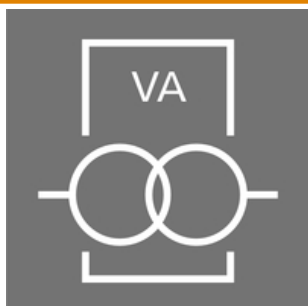
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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
EW 15	0382860000	Accessories, End bracket	4008190187804	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	Order No.	Version	GTIN (EAN)	Qty.
PS 2.3 RT	0180400000	Accessories, Test plug	4008190060121	20 pc(s).