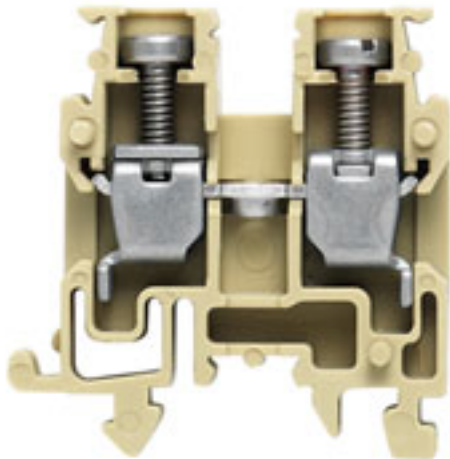


**SAK Series  
AKZ 2.5**

**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	AKZ 2.5
Order No.	<a href="#">0697 160000</a>
Version	SAK Series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4008 190121716
Qty.	100 pc(s).

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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**

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)	TUEV18ATEX8221U	Certificate No. (IECEX)	IECEXTUR18.0024U
Max. voltage (ATEX)	220 V	Current (ATEX)	24 A
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Max. voltage (IECEX)	220 V
Current (IECEX)	24 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, With assembly peg, 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	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

**CSA rating data**

Certificate No. (CSA)	200039-2124451	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	0.5 x 3.0 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Clamping screw	M 2.5
Connection cross-section, stranded, max.	2.5 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	2	Stripping length	7 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric screwdriver	1	Twin wire-end ferrules, max.	1.5 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 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 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.	2.5 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.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

**Dimensions**

TS 15 offset	11.25 mm
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**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	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
Power loss in accordance with IEC 60947-7-x	0.77 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 B (UR)	10 A
Current size D (UR)	10 A	Voltage size B (UR)	300 V
Voltage size D (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**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation Of Conformity</a> <a href="#">CB Certificate</a> <a href="#">CB Testreport</a> <a href="#">ATEX Certificate</a> <a href="#">IECEx Certificate</a> <a href="#">DE_PT1371_20160418_010_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
Product Change Notification	<a href="#">PCN_AKZ_20190405</a>
User Documentation	<a href="#">NTI AKZ 2.5</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

Safety notice [Safety Information](#)

## SAK Series AKZ 2.5

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# Accessories

## Q / AKZ



### 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 AKZ1.5	Version
Order No.	<a href="#">0368300000</a>	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.	<a href="#">0368400000</a>	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.	<a href="#">0368500000</a>	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190159481	poles: 10
Qty.	20 pc(s).	
Type	Q 2 AKZ1.5	Version
Order No.	<a href="#">0368200000</a>	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190149987	poles: 2
Qty.	50 pc(s).	

## End bracket



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### General ordering data

Type	EW 15	Version
Order No.	<a href="#">0382860000</a>	Accessories, End bracket
GTIN (EAN)	4008190187804	
Qty.	50 pc(s).	

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**Accessories**

**Test plug**



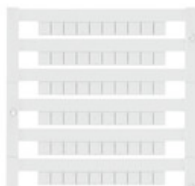
**Current and voltage transformer wiring**

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).	

**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**

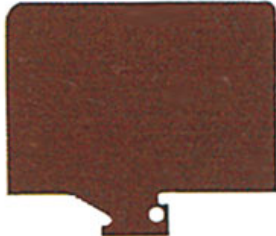
Type	DEK 5/5 MC NE WS	Version
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

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**Accessories**

**Partition plates**



**Klippon® Connect with clamping yoke Technology**

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**General ordering data**

Type	TW AKZ2.5	Version
Order No.	<a href="#">0318560000</a>	SAK Series, Separation plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190062033	
Qty.	20 pc(s).	

**Non-insulated sockets**



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**General ordering data**

Type	STB 8.5/D4/2.3/M2.5 AKZ	Version
Order No.	<a href="#">0215700000</a>	Accessories, Socket
GTIN (EAN)	4008190184872	
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 AKZ2.5	Version
Order No.	<a href="#">0697360000</a>	SAK Series, End plate, 2.5 mm, beige, Direct mounting
GTIN (EAN)	4008190098865	
Qty.	50 pc(s).	
Type	AP AKZ2.5 BL	Version
Order No.	<a href="#">0697380000</a>	SAK Series, End plate, 2.5 mm, blue, Direct mounting
GTIN (EAN)	4008190018269	
Qty.	50 pc(s).	