Weidmüller ⧓

AKZ 2.5 O.ZA

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 easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Version	SAK Series, Feed-through terminal, Rated cross-section: 2.5 mm², Screw connection
Order No.	0175960000
Type	AKZ 2.5 O.ZA
GTIN (EAN)	4008190101855
Qty.	100 pc(s).

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Data sheet

AKZ 2.5 O.ZA

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	26.3 mm	Depth (inches)	1.035 inch
Depth including DIN rail	27.1 mm	Height	25.5 mm
Height (inches)	1.004 inch	Width	5 mm
Width (inches)	0.197 inch	Weight	3.83 g
Net weight	3.7 g		

Temperatures

Storage temperature	-25 °C...55 °C	Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
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 mm²	Max. voltage (IECEX)	220 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	4 mm²
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 15	N-function	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	Yes	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 (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²

Conductors for clamping (rated connection)

Connection cross-section, stranded, max.	2.5 mm²	Connection cross-section, stranded, min.	1.5 mm²
Connection direction	on side	Number of connections	2
Stripping length	7 mm	Twin wire-end ferrules, max.	1.5 mm²
Twin wire-end ferrules, min.	0.5 mm²	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 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, solid core, max.	4 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

Dimensions

TS 15 offset	11.25 mm

General

Number of poles	1	Rail	TS 15
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26

Rating data

Rated cross-section	2.5 mm²	Rated voltage	250 V
Rated current	24 A	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Power loss in accordance with IEC 60947-7-x	0.77 W		

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
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

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AKZ 2.5 O.ZA

Technical data

Approvals

Approvals	

ATEX   UL

ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity
	ATEX Certificate
	IECEx Certificate
	EAC certificate
	MARITREG Certificate
	EAC EX Certificate
	CCC Ex Certificate
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Product Change Notification	PCN_AKZ_20190405
User Documentation	NTI AKZ 2.5
	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

AKZ 2.5 O.ZA

Accessories

SAK-Series

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

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

TS 15

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	EW 15	Version	
Order No.	0382860000		Accessories, End bracket
GTIN (EAN)	4008190187804		
Qty.	50 pc(s).		

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AKZ 2.5 O.ZA

Accessories

Test plugs

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	PS 2.3 RT	Version	
Order No.	0180400000	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.	1609801044	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

SAK-Series

A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

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

Testsockets

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

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).		

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Accessories

Q / AKZ

Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

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

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Accessories

DEK 5/8

WS/ DEK

MultiMark terminal 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 5/8 MM WS	Version	
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white	
GTIN (EAN)	4050118392012		
Qty.	500 pc(s).		

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