

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Product image







To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

Version	SAK Series, Feed-through terminal, Rated cross- section: 2.5 mm², Screw connection
Order No.	<u>0697180000</u>
Туре	AKZ 2.5 BL
GTIN (EAN)	4008190167448
Qty.	100 pc(s).



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Technical data

-			
Dim	ensions	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	5.1 mm
Width (inches)	0.201 inch	Net weight	3.8 g

Temperatures

Storage temperature	-25 °C55 °C	Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	PA 66	Colour	blue
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 ²	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-Certifi- cate 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 screw- able 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	Yes
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	3.0 x 0.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.13 mm ²	Clamping range, max. Clamping screw	M 2.5
Connection cross-section, stranded,	0.13 11111	Connection cross-section, stranded, min	
max.	2.5 mm ²	Commedian cross section, stranded, min	1.5 mm²
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 screw-		Twin wire-end ferrules, max.	
driver	1		1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG,		Wire connection cross section AWG,	
max.	AWG 12	min.	AWG 26
Wire connection cross section, finely		Wire connection cross section, finely	
stranded, max.	2.5 mm ²	stranded, min.	0.5 mm ²
Wire connection cross-section, fine-		Wire connection cross-section, fine-	
ly stranded with wire-end ferrules DIN	2.5 mm ²	ly stranded with wire-end ferrules DIN	0.5 mm ²
46228/1, max. Wire connection cross-section, fine-	2.0 111111	46228/1, min. Wire connection cross-section, fine-	0.5 mm ²
ly stranded with wire-end ferrules DIN		ly stranded with wire-end ferrules DIN	
46228/4, max.	2.5 mm ²	46228/4, min.	0.5 mm ²
Wire connection cross-section, solid		Wire connection cross-section, solid	
core, max.	4 mm ²	core, min.	0.5 mm ²
Dimensions			
General			
Number of poles	1	Rail	TS 15
Standards		Wire connection cross section AWG,	
J.	IEC 60947-7-1	max.	AWG 12
Wire connection cross section AWG,			
min.	AWG 26		
Rating data			
Rated cross-section	2.5 mm ²	Rated voltage	250 V
Rated DC voltage	250 V	Rated current	24 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance according to IEC	4.00	Rated impulse withstand voltage	4.137
60947-7-x	1.33 mΩ		4 kV
Power loss in accordance with IEC	0.77.14	Pollution severity	2
60947-7-x	0.77 W		3
UL rating data			
Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AVVG
Conductor size Factory wiring min. (UR)		Conductor size Factory Wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Current size B (UR)	10 A
		Voltage size B (UR)	300 V
Current size D (UR)	10 A 300 V	voitage size b (UK)	300 V
Voltage size D (UR)			



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Technical data

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Downloads

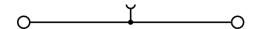
Approval/Certificate/Document of Con-	Attestation Of Conformity
formity	UKCA Ex Attestation of Conformity
	CB Certificate
	<u>CB Testreport</u>
	ATEX Certificate
	IECEx Certificate
	CCC Ex Certificate
	UKCA Ex Certificate
	Declaration of Conformity
	UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S
User Documentation	NTI AKZ 2.5
	<u>StorageConditionsTerminalBlocks</u>
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings





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Accessories

SAK-Series

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

Order No. 0318560000

GTIN (EAN) 4008190062033

20 pc(s).

Version

SAK Series, Partition plate, 1.5 mm, beige, Direct mounting

TS 15

Qty.

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
Order No. 0382860000
GTIN (EAN) 4008190187804
Oty. 50 pc(s).

Version

Accessories, End bracket



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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

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

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.

Туре	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

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).

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).



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Accessories

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon[®] Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Туре	BZT 1 ZA WS 10/5	Version
Order No.	<u>1805520000</u>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Туре	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
Order No. GTIN (EAN)	1805490000 4032248270231	Accessories, Marker holder

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.

	-	
Туре	STB 8.5/D4/2.3/M2.5 AKZ	Version
Order No.	<u>0215700000</u>	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.

Туре	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).	
Туре	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).	
Туре	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).	
Туре	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).	
Туре	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).	