

AK 4/O.ZA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Similar to illustration

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.

General ordering data

Version	Feed-through terminal block, Screw connection, beige / yellow, 4 mm ² , 32 A, 690 V, Number of connections: 2, Number of levels: 1, TS 15, V-2, PA 66, 100 °C
Order No.	0489560000
Type	AK 4/O.ZA
GTIN (EAN)	4008190049737
Qty.	100 pc(s).

Creation date August 28, 2024 5:53:06 PM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	33 mm	Depth (inches)	1.299 inch
Height	36.5 mm	Height (inches)	1.437 inch
Width	6 mm	Width (inches)	0.236 inch
Net weight	6.39 g		

Temperatures

Storage temperature	-25 °C...55 °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, 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	1	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	10
Open sides	right	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection
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Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm ²
Clamping range, min.	0.13 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	2	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, finely stranded, max.	4 mm ²	Wire connection cross section, finely stranded, min.	0.5 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, solid core, max.	6 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Dimensions

TS 15 offset	16 mm
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General

Number of poles	1	Rail	TS 15
Standards	IEC 60947-7-1		

Rating data

Rated cross-section	4 mm ²	Rated voltage	690 V
Rated DC voltage	690 V	Rated current	32 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3

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
ECLASS 14.0	27-25-01-01		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

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Data sheet**AK 4/O.ZA****Weidmüller Interface GmbH & Co. KG**
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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of Con-
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Engineering Data

[CAD data – STEP](#)

Catalogues

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Accessories

SAK-Series



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	AD 4 AKZ4	Version
Order No.	0303400000	Terminal cover, yellow, PVC, Height: 24.2 mm, Width: 20 mm, Depth:
GTIN (EAN)	4008190068158	1 mm, V-2
Qty.	50 pc(s).	

Screws



Depending on the terminal block or also accessories, we offer different types of screws as additional items or also spare parts.

General ordering data

Type	BFSC M2.5X18 PA/RT	Version
Order No.	0303300000	Mounting screw (Terminal), 2.50 mm, Polyamide 66, Depth: 3.8 mm,
GTIN (EAN)	4008190040673	Width: 4.5 mm, Height: 18 mm
Qty.	100 pc(s).	

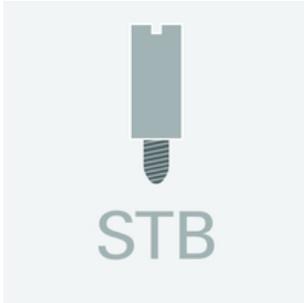
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Accessories

Testsockets

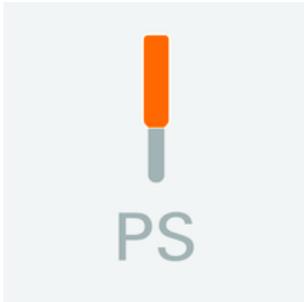


Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

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).	

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	Test adapter (terminal), 230 V, 20 mA
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 snapped 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

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

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 AKZ1.5	Version
Order No.	0368200000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of poles: 2, Pitch in mm (P): 5.10, Insulated: No, Width: 9.1 mm
GTIN (EAN)	4008190149987	
Qty.	50 pc(s).	
Type	Q 10 AKZ1.5	Version
Order No.	0368500000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of poles: 10, Pitch in mm (P): 5.10, Insulated: No, Width: 49.9 mm
GTIN (EAN)	4008190159481	
Qty.	20 pc(s).	
Type	Q 2 AKZ4	Version
Order No.	0336400000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of poles: 2, Pitch in mm (P): 6.10, Insulated: No, Width: 11.1 mm
GTIN (EAN)	4008190037680	
Qty.	50 pc(s).	
Type	Q 2 AKZ4SS	Version
Order No.	0369000000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 2, Pitch in mm (P): 5.10, Insulated: No, Width: 11.1 mm
GTIN (EAN)	4008190143589	
Qty.	50 pc(s).	

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Accessories

Type	Q 10 AKZ4SS	Version
Order No.	0369300000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of
GTIN (EAN)	4008190065744	poles: 10, Pitch in mm (P): 5.10, Insulated: No, Width: 59.9 mm
Qty.	20 pc(s).	
Type	Q 10 AKZ4	Version
Order No.	0368600000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4008190056766	poles: 10, Pitch in mm (P): 6.10, Insulated: No, Width: 59.9 mm
Qty.	20 pc(s).	
Type	Q 3 AKZ4	Version
Order No.	0336500000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4008190121730	poles: 3, Pitch in mm (P): 6.10, Insulated: No, Width: 17.2 mm
Qty.	50 pc(s).	
Type	Q 4 AKZ1.5	Version
Order No.	0368400000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4008190153892	poles: 4, Pitch in mm (P): 5.10, Insulated: No, Width: 19.3 mm
Qty.	50 pc(s).	
Type	Q 3 AKZ1.5	Version
Order No.	0368300000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4008190074913	poles: 3, Pitch in mm (P): 5.10, Insulated: No, Width: 14.2 mm
Qty.	50 pc(s).	
Type	Q 4 AKZ4	Version
Order No.	0336600000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4008190096656	poles: 4, Pitch in mm (P): 6.10, Insulated: No, Width: 23.3 mm
Qty.	50 pc(s).	