

## AKZ 4 SW 1X1

Weidmüller Interface GmbH &amp; Co. KG

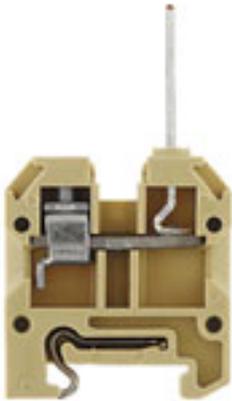
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Product image



Are you looking for an interface from electrical engineering to electronics? To be able to feed through to the electronic devices on the panel sometimes a solder connection or a standard pluggable solution is appropriate.

## General ordering data

Version	Feed-through terminal block, Screw connection, 4 mm <sup>2</sup> , 250 V, 10 A, Number of connections: 1
Order No.	<a href="#">0445860000</a>
Type	AKZ 4 SW 1X1
GTIN (EAN)	4008190021733
Qty.	100 pc(s).
Delivery status	<b>Discontinued</b>
Available until	2020-12-31
Alternative product	<a href="#">0294360000</a>

Creation date April 26, 2024 2:55:09 PM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	30.5 mm	Depth (inches)	1.201 inch
Height	27 mm	Height (inches)	1.063 inch
Width	6 mm	Width (inches)	0.236 inch
Net weight	5.12 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, With elbow 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	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

## CSA rating data

Certificate No. (CSA)	12400-143	Current size C (CSA)	10 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	24 AWG		

## Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
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## Technical data

## Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.2 mm <sup>2</sup>	Clamping screw	M 3
Connection cross-section, stranded, max.	4 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	1	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 <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.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.5 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, 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	13.5 mm
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## General

Number of poles	1	Rail	TS 15
Standards	In accordance with IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

## Other connections

Pin	1 x 1	Pin arrangement	top
Pin on side	right		

## Rating data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	250 V
Rated DC voltage	250 V	Rated current	10 A
Current at maximum wires	10 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	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 C (UR)	10 A
Voltage size C (UR)	300 V		

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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 Conformity	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Accessories**

**Connection sleeves**



**General ordering data**

Type	VL 2 AKZ4/DK4	Version
Order No.	<a href="#">0446700000</a>	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190055486	Pitch in mm (P): 6.00, Insulated: No, 32 A, grey
Qty.	50 pc(s).	
Type	VH 10/4/2.8 AKZ4	Version
Order No.	<a href="#">0446600000</a>	Connecting sleeve (terminal), Height: 4 mm, Width: 4 mm, Depth: 10
GTIN (EAN)	4008190176211	mm, Cu Zn
Qty.	50 pc(s).	

**DEK 5/6**



**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 5/6 MM WS	Version
Order No.	<a href="#">2007120000</a>	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 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 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	

Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 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.	<a href="#">0180400000</a>	Test adapter (terminal), 20 mA
GTIN (EAN)	4008190060121	
Qty.	20 pc(s).	

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**Accessories**

**Custom printing**



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.

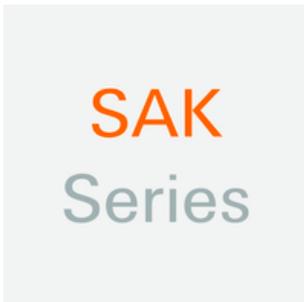
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**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 5/6 MC SDR	Version	
Order No.	<a href="#">1609830000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00	
GTIN (EAN)	4008190456603	Weidmueller, To customer specification	
Qty.	200 pc(s).		

**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 AKZ4	Version	
Order No.	<a href="#">0348260000</a>	Partition plate (terminal), Intermediate plate, 47 mm x 30 mm, dark beige	
GTIN (EAN)	4008190128241		
Qty.	50 pc(s).		
Type	TSCH 4 AKZ4	Version	
Order No.	<a href="#">0363360000</a>	Small partition (terminal), PA 66, beige, Continuous operating temp., max.: 100 °C	
GTIN (EAN)	4008190136680		
Qty.	100 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 3 AKZ4	Version
Order No.	<a href="#">0336500000</a>	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190121730	Pitch in mm (P): 6.10, Insulated: No, 24 A, grey
Qty.	50 pc(s).	
Type	Q 10 AKZ4SS	Version
Order No.	<a href="#">0369300000</a>	Cross-connector (terminal), when screwed in, Number of poles: 10,
GTIN (EAN)	4008190065744	Pitch in mm (P): 5.10, Insulated: No, 32 A, grey
Qty.	20 pc(s).	
Type	Q 2 AKZ1.5	Version
Order No.	<a href="#">0368200000</a>	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190149987	Pitch in mm (P): 5.10, Insulated: No, 24 A, grey
Qty.	50 pc(s).	
Type	Q 2 AKZ4	Version
Order No.	<a href="#">0336400000</a>	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190037680	Pitch in mm (P): 6.10, Insulated: No, 24 A, grey
Qty.	50 pc(s).	
Type	Q 4 AKZ1.5	Version
Order No.	<a href="#">0368400000</a>	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4008190153892	Pitch in mm (P): 5.10, Insulated: No, 24 A, grey
Qty.	50 pc(s).	
Type	Q 2 AKZ4SS	Version
Order No.	<a href="#">0369000000</a>	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190143589	Pitch in mm (P): 5.10, Insulated: No, 32 A, grey
Qty.	50 pc(s).	
Type	Q 4 AKZ4	Version
Order No.	<a href="#">0336600000</a>	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4008190096656	Pitch in mm (P): 6.10, Insulated: No, 24 A, grey
Qty.	50 pc(s).	
Type	Q 10 AKZ1.5	Version
Order No.	<a href="#">0368500000</a>	Cross-connector (terminal), when screwed in, Number of poles: 10,
GTIN (EAN)	4008190159481	Pitch in mm (P): 5.10, Insulated: No, 24 A, grey
Qty.	20 pc(s).	
Type	Q 3 AKZ1.5	Version
Order No.	<a href="#">0368300000</a>	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190074913	Pitch in mm (P): 5.10, Insulated: No, 24 A, grey
Qty.	50 pc(s).	

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## Accessories

Type	Q 10 AKZ4	Version
Order No.	<a href="#">036860000</a>	Cross-connector (terminal), when screwed in, Number of poles: 10,
GTIN (EAN)	4008190056766	Pitch in mm (P): 6.10, Insulated: No, 24 A, grey
Qty.	20 pc(s).	

## 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 AKZ4	Version
Order No.	<a href="#">0294460000</a>	End plate (terminals), 27 mm x 1.5 mm, dark beige
GTIN (EAN)	4008190466268	
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.	<a href="#">021570000</a>	Accessories, Socket
GTIN (EAN)	4008190184872	
Qty.	50 pc(s).	

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**Accessories**

**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 M2.5X14 SAKD2.5N	Version
Order No.	<a href="#">0266800000</a>	Mounting screw (Terminal)
GTIN (EAN)	4008190084899	
Qty.	100 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

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**General ordering data**

Type	DEK 5/6 MC NE WS	Version
Order No.	<a href="#">1609820000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1,000 pc(s).	