Weidmüller

AKZ 4 KRG

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.

General ordering data

Order No.	0294320000
Type	AKZ 4 KRG
GTIN (EAN)	4008190048051
Qty.	100 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2023-12-31
Alternative product	0294360000

Creation date March 28, 2024 10:55:06 PM CET

AKZ 4 KRG

Technical data

Dimensions and weights

Depth	29 mm	Depth (inches)	1.142 inch
Depth including DIN rail	30.5 mm	Height	28.5 mm
Height (inches)	1.122 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	6.61 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	KrG	Colour	medium yellow
UL 94 flammability rating	V-0, 5VA		

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)	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		

Creation date March 28, 2024 10:55:06 PM CET

Catalogue status 23.03.2024 / We reserve the right to make technical changes.

2

AKZ 4 KRG

Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm²
Clamping range, min.	0.13 mm²	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm²	Connection cross-section, stranded, min.	0.5 mm²
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 screw-driver	2	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 24
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.	6 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

General

Number of poles	1	Rail	TS 15
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 24		

Rating data

Rated cross-section	4 mm²	Rated voltage	400 V
Rated DC voltage	400 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	6 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)	27 A
Voltage size C (UR)	300 V		

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

Creation date March 28, 2024 10:55:06 PM CET

AKZ 4 KRG

Technical data

Approvals

Approvals	CE CSA KEMA KEUR UL UKCA
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Downloads

Approval/Certificate/Document of Conformity	CB Certificate CB Testreport Declaration of Conformity UKCA declaration of conformity
Engineering Data	CAD data – STEP
Product Change Notification	Technical change of AKZ 4 KRG - DE Technical change of AKZ 4 KRG - EN
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

Creation date March 28, 2024 10:55:06 PM CET

Weidmüller ⋺⋹

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	TSCH 4 AKZ4	Version	
Order No.	0363360000	SAK Series, Small partition, beige, 6 mm	
GTIN (EAN)	4008190136680		
Qty.	100 pc(s).		
Type	TW AKZ4	Version	
Order No.	0348260000	SAK Series, Partition plate, 0.6 mm, dark beige, Used between	
GTIN (EAN)	4008190128241	terminals	
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	Accessories, Mounting screw, for cross-connection link	
GTIN (EAN)	4008190040673		
Qty.	100 pc(s).		
Type	BFSC M2.5X14 SAKD2.5N	Version	
Order No.	0266800000	SAK Series, Mounting screw, for cross-connection link	
GTIN (EAN)	4008190084899		
Qty.	100 pc(s).		

Weidmüller ⇒⊑

AKZ 4 KRG

Accessories

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 5/6 MC NE WS	Version	
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00	
GTIN (EAN)	4008190203436	Weidmueller, white	
Qty.	1,000 pc(s).		

SAK-Series

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.	0294460000	SAK Series, End plate, 1.5 mm, dark beige, Direct mounting	
GTIN (EAN)	4008190466268		
Qty.	20 pc(s).		
Type	AP AKZ4 BL	Version	
Order No.	0294480000	SAK Series, End plate, 1.5 mm, blue, Direct mounting	
GTIN (EAN)	4008190021832		
Qty.	20 pc(s).		

Creation date March 28, 2024 10:55:06 PM CET

Weidmüller ƎE

AKZ 4 KRG

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).		

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.	2007120000		Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104		
Qty.	600 pc(s).		

Creation date March 28, 2024 10:55:06 PM CET

AKZ 4 KRG

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	SAK Series, cover plate, yellow, 20 mm	
GTIN (EAN)	4008190068158		
Qty.	50 pc(s).		

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

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

Creation date March 28, 2024 10:55:06 PM CET

AKZ 4 KRG

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).	

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	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190149987	poles: 2
Qty.	50 pc(s).	
Type	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).	
Type	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).	
Type	Q 10 AKZ4SS	Version
Order No.	0369300000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190065744	poles: 10
Qty.	20 pc(s).	
Type	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).	

Creation date March 28, 2024 10:55:06 PM CET

AKZ 4 KRG

Accessories

Type	Q 2 AKZ4SS	Version	
Order No.	0369000000	SAK Series, Cross-connector, Number of poles: 2	
GTIN (EAN)	4008190143589		
Qty.	50 pc(s).		
Type	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).		
Type	Q 4 AKZ4	Version	
Order No.	0336600000	SAK Series, Cross-connector, for cross-connection link, Number of	
GTIN (EAN)	4008190096656	poles: 4	
Qty.	50 pc(s).		
Type	Q 10 AKZ4	Version	
Order No.	0368600000	SAK Series, Cross-connector, for cross-connection link, Number of	
GTIN (EAN)	4008190056766	poles: 10	
Qty.	20 pc(s).		
Type	Q 3 AKZ4	Version	
Order No.	0336500000	SAK Series, Cross-connector, for cross-connection link, Number of	
GTIN (EAN)	4008190121730	poles: 3	
Qty.	50 pc(s).		

Connection sleeves

General ordering data

Type	VL 2 AKZ4/DK4	Version	
Order No.	0446700000	SAK Series, Cross-connector, Cross-connector, Number of poles: 2	
GTIN (EAN)	4008190055486		
Qty.	50 pc(s).		
Type	VH 10/4/2.8 AKZ4	Version	
Order No.	0446600000	SAK Series, Connecting sleeve, for cross-connection link, Number of	
GTIN (EAN)	4008190176211	poles: 1	
Qty.	50 pc(s).		

Creation date March 28, 2024 10:55:06 PM CET