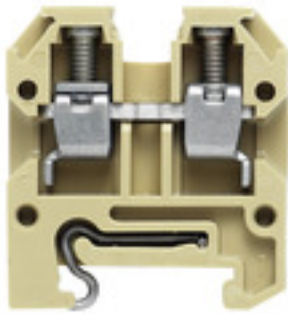


AKZ 4**Weidmüller Interface GmbH & Co. KG**

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.

General ordering data

Version	SAK Series, Feed-through terminal, Rated cross-section: 4 mm ² , Screw connection
Order No.	0294360000
Type	AKZ 4
GTIN (EAN)	4008 190054625
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Depth	29 mm	Depth (inches)	1.142 inch
Depth including DIN rail	30.5 mm	Height	27 mm
Height (inches)	1.063 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	5.409 g

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-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		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8221U	Certificate No. (IECEX)	IECEXTUR18.0024U
Max. voltage (ATEX)	275 V	Current (ATEX)	32 A
Wire cross section max. (ATEX)	6 mm ²	Max. voltage (IECEX)	275 V
Current (IECEX)	32 A	Wire cross section max. (IECEX)	6 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

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

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Cross-section for connected wire, solid, two clampable wires, max.	1.5 mm ²	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm ²
Cross-section for connected wire, stranded, two clampable wires, max.	1.5 mm ²	Cross-section for connected wire, stranded, two clampable wires, min.	0.5 mm ²

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

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Technical data

CSA rating data

Certificate No. (CSA)	154685-1372355
Voltage size C (CSA)	300 V
Wire cross section min. (CSA)	24 AWG

Current size C (CSA)	10 A
Wire cross section max. (CSA)	12 AWG

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, min.	0.13 mm ²
Connection cross-section, stranded, max.	4 mm ²
Connection direction	on side
Number of connections	2
Tightening torque, max.	0.8 Nm
Torque level with DMS electric screwdriver	2
Twin wire-end ferrules, min.	0.5 mm ²
Wire connection cross section AWG, max.	AWG 12
Wire connection cross section, finely stranded, max.	4 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 46228/4, max.	2.5 mm ²
Wire connection cross-section, solid core, max.	6 mm ²

Clamping range, max.	6 mm ²
Clamping screw	M 3
Connection cross-section, stranded, min.	1.5 mm ²
Gauge to IEC 60947-1	A3
Stripping length	8 mm
Tightening torque, min.	0.6 Nm
Twin wire-end ferrules, max.	1.5 mm ²
Type of connection	Screw connection
Wire connection cross section AWG, min.	AWG 24
Wire connection cross section, finely stranded, min.	0.5 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, min.	0.5 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²

Dimensions

TS 15 offset	13.5 mm
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General

Number of poles	1
Standards	IEC 60947-7-1
Wire connection cross section AWG, min.	AWG 24

Rail	TS 15
Wire connection cross section AWG, max.	AWG 12

Rating data

Rated cross-section	4 mm ²
Rated current	32 A
Standards	IEC 60947-7-1
Rated impulse withstand voltage	6 kV
Pollution severity	3

Rated voltage	400 V
Current at maximum wires	41 A
Volume resistance according to IEC 60947-7-x	1 mΩ
Power loss in accordance with IEC 60947-7-x	1.02 W

UL rating data

Certificate No. (UR)	E60693
Conductor size Factory wiring min. (UR)	26 AWG
Conductor size Field wiring min. (UR)	22 AWG
Voltage size C (UR)	300 V

Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Field wiring max. (UR)	12 AWG
Current size C (UR)	27 A

Creation date 22 October 2022 11:22:08 CEST

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Technical data

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	ECLASS 12.0	27-14-11-20

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity UKCA Ex Attestation of Conformity CB Certificate CB Testreport ATEX Certificate IECEX Certificate EAC certificate INMETRO certificate MARITREG Certificate EAC EX Certificate CCC Ex Certificate UKCA Ex Certificate Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Product Change Notification	PCN_AKZ_20190405
User Documentation	NTI AKZ 4 StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

