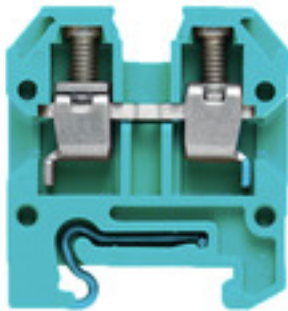


AKZ 4 BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Version	SAK Series, Feed-through terminal, Rated cross-section: 4 mm ² , Screw connection
Order No.	0294380000
Type	AKZ 4 BL
GTIN (EAN)	4008 190002 152
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	Net weight	5.76 g
Weight	5.84 g	Width	6.1 mm
Width (inches)	0.24 inch		

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	blue
UL 94 flammability rating	V-2		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8221U	ATEX certificate	SIRA02ATEX3001U_e.pdf
ATEX certificate	SIRA02ATEX3001U_d.pdf	Certificate No. (IECEX)	IECEXTUR18.0024U
IEC Ex certificate	IECEXSIR05.0038U_e.pdf	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)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	6 mm ²		
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

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	Yes
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, 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

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 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

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

Power loss in accordance with IEC 60947-7-x	1.02 W
Rated voltage	400 V
Current at maximum wires	41 A
Volume resistance according to IEC 60947-7-x	1 mΩ
Pollution severity	3

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

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Technical data

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
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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity CB Certificate CB Testreport ATEX Certificate IECEX Certificate EAC certificate INMETRO certificate MARITREG Certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Usage of terminals in EXi atmospheres NTI AKZ 4 StorageConditionsTerminalBlocks