

SAK Series
AKZ 1.5 BL**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
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The Weidmüller SAK feed-through terminals satisfy the requirements of IEC 60947-1 and are available with rated cross-sections from 0.08 mm² to 240 mm².

General ordering data

Order No.	0340480000
Type	AKZ 1.5 BL
Version	SAK Series, Feed-through terminal, Rated cross-section: 1.5 mm ² , Screw connection
GTIN (EAN)	4008190075378
Qty.	100 pc(s).

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Technical data
Dimensions and weights

Length	24.8 mm	Width	5.1 mm
Height	24 mm	Height of lowest version	26 mm
Weight	3.58 g	Net weight	3.11 g

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Rated data IECEx/ATEX

Certificate No. (ATEX)	SIRA02ATEX3001U	ATEX certificate	SIRA02ATEX3001U_d.pdf
ATEX certificate	SIRA02ATEX3001U_e.pdf	Certificate No. (IECEX)	IECEXSIR05.0038U
IEC Ex certificate	IECEXSIR05.0038U_e.pdf	Max. voltage (ATEX)	176 V
Current (ATEX)	15 A	Wire cross section max. (ATEX)	1.5 mm ²
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking ATEX Directive 94/9/EC	II 2 G D		

Additional technical data

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

CSA ratings data

Certificate No. (CSA)	12400-144	Voltage size C (CSA)	300 V
Current size C (CSA)	10 A	Wire cross section max. (CSA)	16 AWG
Wire cross section min. (CSA)	24 AWG		

Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	1.5 mm ²
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Technical data**Clampable wires (rated connection)**

Type of connection	Screw connection	Stripping length	7 mm
Blade size	3.0 x 0.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	0.21 mm ²
Clamping range, rated connection, max.	2.5 mm ²	Clamping screw	M 2.5
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.6 Nm
Torque level with DMS electric screwdriver	1	Gauge to IEC 60947-1	A1
Wire connection cross section, solid core, max. rated connection	0.5 mm ²	Wire connection cross section, solid core max. rated connection	2.5 mm ²
Wire connection cross section, stranded, rated connection, min.	1.5 mm ²	Wire connection cross section, stranded, rated connection, max.	1.5 mm ²
Wire connection cross section, finely stranded, max.	1.5 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, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	1.5 mm ²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Twin wire-end ferrules, max.	0.75 mm ²
Wire connection cross section AWG, min.	AWG 24	Wire connection cross section AWG, max.	AWG 14

Dimensions

TS 15 offset	12.4 mm
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Rated data

Rated cross-section	1.5 mm ²	Rated voltage	250 V
Rated impulse withstand voltage	4 kV	Rated current	17.5 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693VOL1SEC3	Voltage size C (UR)	150 V
Current size C (UR)	15 A	Conductor size Factory wiring max. (UR)	14 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	14 AWG

Material data

Material	PA 66	Colour	Blue
UL 94 flammability rating	V-2		

System specifications

Product family	SAK Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 15
End cover plate required	Yes		

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Technical data**Classifications**

ETIM 2.0	EC001283	ETIM 3.0	EC001283
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-20
eClass 5.1	27-14-11-20	eClass 6.0	27-14-11-20
eClass 7.0	27-14-11-20		

Product information

Descriptive text ordering data AKZ 1.5 order No. 0340460000 and 0340480000 made of PA with flammability rating acc. to UL 94/V-2

Approvals

Approvals

