



#### General ordering data

Order No.	0697160000
Part designation	AKZ 2.5
Version	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 15
EAN	4008190121716
Qty.	100 pc(s).

#### Product notes

Note, ordering data	AKZ 2.5 order Nos 0697160000 and 0697180000 made from PA with V2 flammability rating to UL 94
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#### PT OKIECEX/ATEX rating data

EU-type examination certificate	SIRA02ATEX3001U
Download English	SIRA02ATEX3001U_e.pdf
IECEX Certificate of Conformity	IECEXSIR05.0038U
Download	IECEXSIR05.0038U_e.pdf
ATEX voltage	176 V
ATEX current	21 A
ATEX conductor cross-section	2.5 mm <sup>2</sup>
IECEX voltage	176 V
IECEX current	21 A
IECEX conductor cross-section	2.5 mm <sup>2</sup>
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEX-Certificate of Conformity
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

#### Additional technical data

Colour of insulating material	beige
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	Yes
Installation advice	TS 15
Insulating material	PA 66
Levels cross-connected internally	No
No. of identical terminals	1
No. of levels	1
No. of terminal strips per level	2

**Additional technical data**

Open sides	right
Operating temperature range	- 50 °C, + 100 °C
Product family	SAK Series
Type of connection	Screwed
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	V2
Version	Feed-through terminal

**CSA rating data**

Voltage (CSA)	300 V
CSA current	10 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 10

**Conductors for clamping (additional connection)**

Type of connection	---
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm <sup>2</sup>

**Conductors for clamping (rated connection)**

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	4 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	7 mm
Clamping screw	M 2.5
Blade size	3.0 x 0.5 mm
Tightening torque range	0.4...0.6 Nm
Torque level with DMS electric screwdriver	1
Gauge to IEC 60947-1	A3
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	4 mm <sup>2</sup>
Stranded, min.	1.5 mm <sup>2</sup>
Stranded, max.	2.5 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	2.5 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	2.5 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	2.5 mm <sup>2</sup>
Twin wire-end ferrule, min.	0.5 mm <sup>2</sup>
Twin wire end ferrule, max.	1.5 mm <sup>2</sup>
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.13 mm <sup>2</sup>
AWG conductor size, max.	3.31 mm <sup>2</sup>

### Conductors for clamping (rated connection)

#### Dimensions

Width	5.1 mm
Height of lowest version	26.5 mm
Length	25.5 mm
Weight	3.75 g
TS 15 offset	11.25 mm

#### Disconnect terminals

Torque level with DMS electric screwdriver	1
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#### Rating data

Rated cross-section	2.5 mm <sup>2</sup>
Rated voltage	250 V
Rated impulse voltage	4 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	32 A
Pollution severity	3

#### UL rating data

Voltage (UL)	300 V
Current (UL)	10 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 12

#### Approvals

Approvals institutes



#### Classifications

ETIM 2.0	EC001283
ETIM 3.0	EC001283
eClass 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	27-14-11-20

#### Similar products

Order No.	Part designation	Version
0340460000	AKZ 1.5	Feed-through terminal, 1.5 mm <sup>2</sup> , Screw connection, Polyamide, beige, TS 15

0340480000	AKZ 1.5 BL	Feed-through terminal, 1.5 mm <sup>2</sup> , Screw connection, Polyamide, blue, TS 15
0697180000	AKZ 2.5 BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 15
0294360000	AKZ 4	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, beige, TS 15
0294380000	AKZ 4 BL	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, blue, TS 15