



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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General ordering data

Order No.	0697160000
Part designation	AKZ 2.5
Version	Feed-through terminal, 2.5 mm ² , 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 OKIECEEx/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 ²
IECEX voltage	176 V
IECEX current	21 A
IECEX conductor cross-section	2.5 mm ²
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 ²
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm ²

Conductors for clamping (rated connection)

Clamping range, min.	0.13 mm ²
Clamping range, max.	4 mm ²
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 ²
Solid, max.	4 mm ²
Stranded, min.	1.5 mm ²
Stranded, max.	2.5 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	2.5 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	2.5 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	2.5 mm ²
Twin wire-end ferrule, min.	0.5 mm ²
Twin wire end ferrule, max.	1.5 mm ²
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.13 mm ²
AWG conductor size, max.	3.31 mm ²

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 ²
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 ² , Screw connection, Polyamide, beige, TS 15

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