



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





#### General ordering data

Order No.	0294360000
Part designation	AKZ 4
Version	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, beige, TS 15
EAN	4008190054625
Qty.	100 pc(s).

#### Product notes

Note, ordering data	AKZ 4 order no. 0294360000 and 0294380000 made of PA with flammability class acc. to UL 94/V-2
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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	275 V
ATEX current	28 A
ATEX conductor cross-section	4 mm <sup>2</sup>
IECEX voltage	275 V
IECEX current	28 A
IECEX conductor cross-section	4 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	Polyamide
Levels cross-connected internally	No
No. of identical terminals	1
No. of levels	1

**Additional technical data**

No. of terminal strips per level	2
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 24
Max. cross-section (CSA)	AWG 12

**Conductors for clamping (additional connection)**

Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	4 mm <sup>2</sup>

**Conductors for clamping (rated connection)**

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	8 mm
Clamping screw	M 3
Blade size	0.6 x 3.5 mm
Tightening torque range	0.6...0.8 Nm
Torque level with DMS electric screwdriver	2
Gauge to IEC 60947-1	A3
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	6 mm <sup>2</sup>
Stranded, min.	1.5 mm <sup>2</sup>
Stranded, max.	4 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	4 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 24
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.21 mm <sup>2</sup>
AWG conductor size, max.	3.31 mm <sup>2</sup>

### Conductors for clamping (rated connection)

#### Dimensions

Width	6.1 mm
Height of lowest version	30.5 mm
Length	27 mm
Weight	5.93 g
TS 15 offset	13.5 mm

#### Disconnect terminals

Torque level with DMS electric screwdriver	2
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#### Rating data

Rated cross-section	4 mm <sup>2</sup>
Rated voltage	400 V
Rated impulse voltage	6 kV
Rated current	32 A
Standards	IEC 60947-7-1
Current with max. conductor	41 A
Pollution severity	3

#### UL rating data

Voltage (UL)	300 V
Current (UL)	27 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
0697160000	AKZ 2.5	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 15
0697180000	AKZ 2.5 BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 15
0294380000	AKZ 4 BL	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, blue, TS 15