



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

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#### General ordering data

Order No.	0271080000
Part designation	SAK 16 BL
Version	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 32
EAN	4008190097578
Qty.	50 pc(s).

#### Product notes

Note, ordering data	If QIs are aligned side by side, then a TW/AP must be used.
Note, technical data	Twin wire end ferrules ZH 2.5 - ZH 16 can be used.

#### PT OKIECEx/ATEX rating data

EU-type examination certificate	KEMA97ATEX1798U
Download, German	KEMA97ATEX1798U_d.pdf
Download English	KEMA97ATEX1798U_e.pdf
IECEx Certificate of Conformity	IECExKEM06.0014U
ATEX voltage	690 V
ATEX current	66 A
ATEX conductor cross-section	16 mm <sup>2</sup>
IECEx voltage	690 V
IECEx current	66 A
IECEx conductor cross-section	16 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	blue
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	No
Installation advice	TS 32
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
Open sides	right
Operating temperature range	- 50 °C, + 100 °C
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)	600 V
CSA current	87 A
Min. cross-section (CSA)	AWG 14
Max. cross-section (CSA)	AWG 6

#### Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	4 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	16 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

Clamping range, min.	2.5 mm <sup>2</sup>
Clamping range, max.	16 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	15 mm
Clamping screw	M 4
Blade size	1.0 x 5.5 mm
Tightening torque range	2.0...4.0 Nm
Gauge to IEC 60947-1	B6
Solid, min.	2.5 mm <sup>2</sup>
Solid, max.	10 mm <sup>2</sup>
Stranded, min.	4 mm <sup>2</sup>
Stranded, max.	16 mm <sup>2</sup>
Flexible, min.	4 mm <sup>2</sup>
Flexible, max.	16 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	4 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	16 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	16 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	16 mm <sup>2</sup>
Twin wire-end ferrule, min.	1.5 mm <sup>2</sup>
Twin wire-end ferrule, max.	10 mm <sup>2</sup>
AWG conductor size, min.	AWG 12
AWG conductor size, max.	AWG 6
AWG conductor size, min.	3.31 mm <sup>2</sup>
AWG conductor size, max.	16 mm <sup>2</sup>

#### Dimensions

Width	12 mm
Height of lowest version	57.5 mm
Length	50 mm
TS 32 offset	25 mm

#### Rating data

Rated cross-section	16 mm <sup>2</sup>
Rated voltage	1,000 V
Rated impulse voltage	8 kV



#### Rating data

Rated current	76 A
Standards	IEC 60947-7-1
Current with max. conductor	76 A
Pollution severity	3

#### UL rating data

Voltage (UL)	600 V
Current (UL)	80 A
Min. cross-section (UL)	AWG 12
Max. cross-section (UL)	AWG 4

#### Approvals

Approvals institutes



#### Classifications

ETIM 2.0	EC000897
ETIM 3.0	EC000897
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
0271060000	SAK 16	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32