



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.	0279660000
Part designation	SAK 2.5
Version	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, beige, TS 32
EAN	4008190069926
Qty.	100 pc(s).

Product notes

Note, technical data	With twin ferrules ZH 0.5 to ZH 1.5, rated voltage is 690 V.
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PT OKIECEEx/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	550 V
ATEX current	21 A
ATEX conductor cross-section	2.5 mm ²
IECEX voltage	550 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"	No
Installation advice	TS 32
Insulating material	PA 66
Levels cross-connected internally	No
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	25 A
Min. cross-section (CSA)	AWG 26

CSA rating data

Max. cross-section (CSA) AWG 10

Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1) 0.5 mm²
Flexible with ferrule, max. (DIN 46228 pt 1) 2.5 mm²

Conductors for clamping (rated connection)

Clamping range, min. 0.13 mm²
Clamping range, max. 6 mm²
Type of connection Screw connection
2nd type of connection screwed
Connection direction on side
No. of connections 2
Stripping length 10 mm
Clamping screw M 2.5
Blade size 0.6 x 3.5 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 mm²
Solid, max. 6 mm²
Stranded, min. 0.5 mm²
Stranded, max. 4 mm²
Flexible, min. 0.5 mm²
Flexible, max. 4 mm²
Flexible with ferrule, min. (DIN 46228/1) 0.5 mm²
Flexible with ferrule, max. (DIN 46228/1) 4 mm²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) 0.5 mm²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) 4 mm²
Twin wire-end ferrule, min. 0.5 mm²
Twin wire end ferrule, max. 1.5 mm²
AWG conductor size, min. AWG 26
AWG conductor size, max. AWG 10
AWG conductor size, min. 0.13 mm²
AWG conductor size, max. 5.26 mm²

Dimensions

Width 6 mm
Height of lowest version 46.5 mm
Length 36.5 mm
TS 32 offset 18.5 mm

Disconnect terminals

Torque level with DMS electric screwdriver 1

Rating data

Rated cross-section 2.5 mm²
Rated voltage 800 V

Rating data

Rated impulse voltage	8 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	41 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	20 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 12

Approvals

Approvals institutes



Downloads

DXF	22359_SAK_2.5_DXF.dxf
STEP	0279660000_22359_SAK_2.5_STP.stp

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
0269660000	SAK 2.5 (TSCH/32)	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, beige, TS 32
0322860000	SAK 2.5/10	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, beige, TS 32
0215560000	SAKD 2.5N	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, beige, TS 32
0215580000	SAKD 2.5N BL	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, blue, TS 32