



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.	0412160000
Part designation	SAKR
Version	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, beige, TS 32
EAN	4008190016418
Qty.	100 pc(s).

Product notes

Note, technical data	Torque for SAKR with socket: 0.5 - 0.7 Nm.
Note, accessories	QB 25 blank, refer to "Accessories" section. Note that max. conductor connection with QB = 2.5 mm ² . Twin wire-end ferrules ZH 0.5 - ZH 1.5 can be used.

PT OKIECEEx/ATEX rating data

EU-type examination certificate	SIRA03ATEX4288U
Download English	SIRA03ATEX4288U_e.pdf
IECEEx Certificate of Conformity	IECEXSIR05.0033U
Download	IECEXSIR05.0033U_e.pdf
ATEX voltage	400 V
ATEX current	10 A
ATEX conductor cross-section	4 mm ²
IECEEx voltage	400 V
IECEEx current	10 A
IECEEx conductor cross-section	4 mm ²
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEEx-Certificate of Conformity

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 32
Insulating material	PA 66
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	Test-disconnect terminals

CSA rating data

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

Conductors for clamping (additional 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	8 mm
Clamping screw	M 3
Blade size	0.6 x 3.5 mm
Tightening torque range	0.5...1.0 Nm
Torque level with DMS electric screwdriver	2
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.	4 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	4 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)	4 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	6.5 mm
Height of lowest version	40.5 mm
Length	42 mm
TS 32 offset	21 mm

Disconnect terminals

Cross-disconnect	without
Integral test socket	No
Slitting	Pivoting
Torque level with DMS electric screwdriver	2

Rating data

Rated cross-section	4 mm ²
Rated voltage	400 V
Rated impulse voltage	6 kV
Rated current	10 A
Standards	IEC 60947-7-1
Current with max. conductor	10 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	EC000902
ETIM 3.0	EC000902
eClass 4.1	27-14-11-17
eClass 5.0	27-14-11-26
eClass 5.1	27-14-11-26

Similar products

Order No.	Part designation	Version
-----------	------------------	---------

0687360000	DKT 4/32	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, beige, TS 32
1304860000	DKT 4V 2STB	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, beige, TS 32
0412260000	SAKR 2STB	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, beige, TS 32
0412280000	SAKR 2STB BL	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, blue, TS 32
0412180000	SAKR BL	Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, blue, TS 32