



#### General ordering data

Order No.	0412160000
Part designation	SAKR
Version	Disconnect and modular disconnect terminal, 4 mm <sup>2</sup> , 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 <sup>2</sup> . Twin wire-end ferrules ZH 0.5 - ZH 1.5 can be used.

#### PT OKIECEX/ATEX rating data

EU-type examination certificate	SIRA03ATEX4288U
Download English	SIRA03ATEX4288U_e.pdf
IECEX Certificate of Conformity	IECEXSIR05.0033U
Download	IECEXSIR05.0033U_e.pdf
ATEX voltage	400 V
ATEX current	10 A
ATEX conductor cross-section	4 mm <sup>2</sup>
IECEX voltage	400 V
IECEX current	10 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

#### 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 <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	4 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	0.5...1.0 Nm
Torque level with DMS electric screwdriver	2
Gauge to IEC 60947-1	A3
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	4 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)	4 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 26
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.13 mm <sup>2</sup>
AWG conductor size, max.	3.31 mm <sup>2</sup>

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