

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