



General ordering data

Order No.	0193260000
Part designation	SAK 6N
Version	Feed-through terminal, 6 mm ² , Screw connection, PA 66, beige, TS 32
EAN	4008190031893

Product notes

Note, ordering data	With AWG 6 and H07V-R10 conductors, an increased MD torque of 1.4 to 1.6 Nm should be used.
Note, technical data	For AWG 8-7 and AWG 8-19, tightening torque is 1.21.4 Nm
Note, accessories	When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.

PT OKIECEx/ATEX rating data

EU-type examination certificate	KEMA97ATEX1798U
Download, German	KEMA97ATEX1798U_d.pdf
Download English	KEMA97ATEX1798U_e.pdf
ATEX voltage	550 V
ATEX current	36 A
ATEX conductor cross-section	6 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"	Yes
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

Additional technical data

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	47 A
Min. cross-section (CSA)	AWG 20
Max. cross-section (CSA)	AWG 8

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)	6 mm ²

Conductors for clamping (rated connection)

Clamping range, min.	0.33 mm ²
Clamping range, max.	10 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	12 mm
Clamping screw	M 3.5
Blade size	4.0 x 0.8 mm
Tightening torque range	0.8...1.6 Nm
Torque level with DMS electric screwdriver	3
Gauge to IEC 60947-1	A5
Solid, min.	0.5 mm ²
Solid, max.	10 mm ²
Stranded, min.	0.5 mm ²
Stranded, max.	6 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	10 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	6 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)	6 mm ²
Twin wire-end ferrule, min.	0.5 mm ²
Twin wire end ferrule, max.	4 mm ²
AWG conductor size, min.	AWG 22
AWG conductor size, max.	8.37 mm ²

Dimensions

Width	8 mm
Height of lowest version	51.5 mm

Dimensions

Length	40 mm
TS 32 offset	20 mm

Disconnect terminals

Torque level with DMS electric screwdriver	3
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Rating data

Rated cross-section	6 mm ²
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	41 A
Standards	IEC 60947-7-1
Current with max. conductor	57 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	40 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 8

Approvals

Approvals institutes



Classifications

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
0193280000	SAK 6N BL	Feed-through terminal, 6 mm ² , Screw connection, PA 66, blue, TS 32