

General ordering data

Order No.	0582460000
Part designation	SAK 35/35/IK
Version	Feed-through terminal, 35 mm², Screw connection, PA 66, beige, TS 35
EAN	4008190090692
Qty.	20 pc(s).

Product notes

Note, ordering data	It is possible to use twin ferrules with identical rated voltages (LAB 13090).
Note, technical data	The tightening torque is 4.5 Nm for 16 - 50 mm² and AWG 6 - 2/7 stranded conductors. Twin wire end ferrules ZH 2.5 - ZH 16 can be used.
Note, accessories	If QIs are aligned side by side, then a TW/AP must be used.

PT OKIECEEx/ATEX rating data

EU-type examination certificate	KEMA97ATEX1798U
Download, German	KEMA97ATEX1798U_d.pdf
Download English	KEMA97ATEX1798U_e.pdf
ATEX voltage	550 V
ATEX current	109 A
ATEX conductor cross-section	35 mm²
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 35
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
Open sides	right
Operating temperature range	- 50 °C, + 100 °C
Type of connection	Screwed
Type of mounting	Clamped
UL 94 flammability rating of insulation material	V2
Version	Feed-through terminal

CSA rating data

Voltage (CSA)	600 V
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CSA rating data

CSA current	145 A
Min. cross-section (CSA)	AWG 12
Max. cross-section (CSA)	AWG 2

Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	2.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	35 mm ²

Conductors for clamping (rated connection)

Clamping range, min.	2.5 mm ²
Clamping range, max.	50 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	18 mm
Clamping screw	M 6
Blade size	S4 (DIN 6911)
Tightening torque range	4.0...6.0 Nm
Gauge to IEC 60947-1	B8
Solid, min.	2.5 mm ²
Solid, max.	16 mm ²
Stranded, min.	4 mm ²
Stranded, max.	50 mm ²
Flexible, min.	2.5 mm ²
Flexible, max.	35 mm ²
Flexible with ferrule, min. (DIN 46228/1)	2.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	35 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	2.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	35 mm ²
Twin wire-end ferrule, min.	1.5 mm ²
Twin wire end ferrule, max.	16 mm ²
AWG conductor size, min.	AWG 12
AWG conductor size, max.	AWG 2
AWG conductor size, min.	3.31 mm ²
AWG conductor size, max.	33.62 mm ²

Dimensions

Width	18 mm
Height of lowest version	60 mm
Length	58 mm
Weight	67.95 g
TS 35 offset	29 mm

Rating data

Rated cross-section	35 mm ²
Rated voltage	1,000 V
Rated impulse voltage	8 kV

Rating data

Rated current	125 A
Standards	IEC 60947-7-1
Current with max. conductor	150 A
Pollution severity	3

Strap connection

Strap 1, max.	9 layers 9 x 0.8
Strap 1, min.	3 layers 9 x 0.8

UL rating data

Voltage (UL)	600 V
Current (UL)	105 A
Min. cross-section (UL)	AWG 12
Max. cross-section (UL)	AWG 2

Approvals

Approvals institutes



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
0380760000	SAK 35/35	Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35
0380780000	SAK 35/35 BL	Feed-through terminal, 35 mm ² , Screw connection, PA 66, blue, TS 35
0608260000	SAK 35N/35	Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35
0608360000	SAK 35N/35/IK	Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35