



#### General ordering data

Order No.	0303560000
Part designation	SAK 35
Version	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32
EAN	4008190169053
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 mm <sup>2</sup> 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
IECEX Certificate of Conformity	IECEXKEM06.0014U
ATEX voltage	550 V
ATEX current	109 A
ATEX conductor cross-section	35 mm <sup>2</sup>
IECEX voltage	550 V
IECEX current	109 A
IECEX conductor cross-section	35 mm <sup>2</sup>
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

#### Additional technical data

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
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 <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	35 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

Clamping range, min.	2.5 mm <sup>2</sup>
Clamping range, max.	50 mm <sup>2</sup>
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	6.5 x 1.2 mm
Tightening torque range	4.0...5.0 Nm
Gauge to IEC 60947-1	B8
Solid, min.	2.5 mm <sup>2</sup>
Solid, max.	16 mm <sup>2</sup>
Stranded, min.	4 mm <sup>2</sup>
Stranded, max.	50 mm <sup>2</sup>
Flexible, min.	2.5 mm <sup>2</sup>
Flexible, max.	35 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	2.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	35 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	2.5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	35 mm <sup>2</sup>
Twin wire-end ferrule, min.	1.5 mm <sup>2</sup>
Twin wire end ferrule, max.	16 mm <sup>2</sup>
AWG conductor size, min.	AWG 12
AWG conductor size, max.	AWG 2

#### Conductors for clamping (rated connection)

AWG conductor size, min.	3.31 mm <sup>2</sup>
AWG conductor size, max.	33.62 mm <sup>2</sup>

#### Dimensions

Width	18 mm
Height of lowest version	67.5 mm
Length	58 mm
Weight	72.6 g
TS 32 offset	29 mm

#### Rating data

Rated cross-section	35 mm <sup>2</sup>
Rated voltage	1,000 V
Rated impulse voltage	8 kV
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
0303580000	SAK 35 BL	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 32
0476560000	SAK 35/IK	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32
0550660000	SAK 35N	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32
0555760000	SAK 35N/IK	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32