



#### General ordering data

Order No.	0271020000
Part designation	SAK 16 (BE/MEL)
Version	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, KrG, Medium yellow, TS 32
EAN	4008190120856
Qty.	50 pc(s).

#### Product notes

Note, ordering data	If QIs are aligned side by side, then a TW/AP must be used.
Note, technical data	Twin wire end ferrules ZH 2.5 - ZH 16 can be used.

#### PT OKIECEX/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	690 V
ATEX current	66 A
ATEX conductor cross-section	16 mm <sup>2</sup>
IECEX voltage	690 V
IECEX current	66 A
IECEX conductor cross-section	16 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	Medium yellow
Connection direction	on side
End plate required	Yes

#### Additional technical data

Explosion-tested version "Ex e"	No
Installation advice	TS 32
Insulating material	KrG
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	- 60 °C, + 130 °C
Type of connection	Screwed
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	5VA
Version	Feed-through terminal

#### CSA rating data

Voltage (CSA)	600 V
CSA current	87 A
Min. cross-section (CSA)	AWG 14
Max. cross-section (CSA)	AWG 6

#### Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	4 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	16 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

Clamping range, min.	2.5 mm <sup>2</sup>
Clamping range, max.	16 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	15 mm
Clamping screw	M 4
Blade size	1.0 x 5.5 mm
Tightening torque range	2.0...4.0 Nm
Gauge to IEC 60947-1	B6
Solid, min.	2.5 mm <sup>2</sup>
Solid, max.	10 mm <sup>2</sup>
Stranded, min.	4 mm <sup>2</sup>
Stranded, max.	16 mm <sup>2</sup>
Flexible, min.	4 mm <sup>2</sup>
Flexible, max.	16 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	4 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	16 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	16 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	16 mm <sup>2</sup>
Twin wire-end ferrule, min.	1.5 mm <sup>2</sup>
Twin wire end ferrule, max.	10 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

AWG conductor size, min.	AWG 12
AWG conductor size, max.	AWG 6
AWG conductor size, min.	3.31 mm <sup>2</sup>
AWG conductor size, max.	16 mm <sup>2</sup>

#### Dimensions

Width	12 mm
Height of lowest version	57.5 mm
Length	50 mm
TS 32 offset	25 mm

#### Rating data

Rated cross-section	16 mm <sup>2</sup>
Rated voltage	1,000 V
Rated impulse voltage	8 kV
Rated current	76 A
Standards	IEC 60947-7-1
Current with max. conductor	76 A
Pollution severity	3

#### UL rating data

Voltage (UL)	600 V
Current (UL)	80 A
Min. cross-section (UL)	AWG 12
Max. cross-section (UL)	AWG 4

#### Approvals

Approvals institutes



#### Downloads

DXF	02631_SAK_16_KRG_DXF.dxf
STEP	0271020000_02631_SAK_16_KRG_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**

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