

General ordering data

Order No.	1784390000
Short text for material	SAK 16/EN BL
EAN	4032248259694
Qty	50

Additional technical data

No. of identical terminals	1
Type of connection	screwed
Version	Feed-through terminal
Installation advice	TS 35 + TS 32
UL 94 flammability rating of insulation material	V2
Insulating material	PA 66
Colour of insulating material	blue
Operating temperature range	- 50 °C, + 100 °C
No. of levels	1
No. of terminal strips per level	2
Levels cross-connected internally	No
End plate required	Yes
Explosion-tested version "Ex e"	No
Connection direction	on side

CSA rating data

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

Conductors for clamping (rated connection)

Stripping length	15 mm
Type of connection	Screw connection
No. of connections	2
Solid, min.	2,5 mm ²
Twin wire-end ferrule, min.	1,50 mm ²
Twin wire-end ferrule, max.	10,00 mm ²
Gauge to IEC 60947-1	B6
AWG conductor size, max.	16,00 mm ²
AWG conductor size, max.	AWG 6
Stranded, max.	16 mm ²
Stranded, min.	4 mm ²
AWG conductor size, min. (mm)	3,31 mm ²
AWG conductor size, min.	AWG 12
Connection direction	on side
Flexible, min.	4 mm ²
2nd type of connection	screwed
Tightening torque range	2.0...2.4 Nm
Solid, max.	16 mm ²
Flexible, max.	16 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	16 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	16 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	4 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	4 mm ²
Clamping range, max.	16 mm ²
Clamping range, min.	2,5 mm ²
Clamping screw	M 4
Blade size	1.0 x 5.5 mm

Dimensions

Length	50 mm
Height of lowest version	53,5 mm
Width	12 mm

EN 60079-7 rating data

Voltage at cross-connection DU+QV skipping	175 V
Marking ATEX Directive 94/9/EC	II 2 G D
EC conformity verification certificate	KEMA 97ATEX1798 U
Voltage Ex e	690 V
Voltage at cross-connection DU+QV/DU+QV	550 V
Voltage at cross-connection DU+QV/DU	550 V
Marking ATEX Directive 94/9/EC	Ex II 2 G D
Marking EN 60079-7	Ex e II
Current Ex e	66 A

Rating data

Rated cross-section	16 mm ²
Rated voltage	1000 V
Rated impulse withstand voltage	8 kV
Rated current	76 A
Norm	IEC 60947-7-1
Current with max. conductor	76 A
Pollution severity	3

UL rating data

Min. cross-section (UL)	AWG 12
Voltage UL	600 V
Current (UL)	80 A
Max. cross-section (UL)	AWG 6

information boxes, print catalogue

Note, technical data	Installation of the QL side by side use a TW/AP.
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Approvals

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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

Related products

Order No.	Short text for material
0337660000	SAK 10/EN
1784410000	SAK 10/EN BL
0339760000	SAK 16/EN
0218660000	SAK 2.5/EN
0218680000	SAK 2.5/EN BL
0339860000	SAK 35/EN
1784400000	SAK 35/EN BL
0467460000	SAK 4/EN
0467480000	SAK 4/EN BL
0212860000	SAK 6/EN
0212880000	SAK 6/EN BL