

General ordering data

Order No.	0279660000
Short text for material	SAK 2.5
EAN	4008190069926
Qty	100

IEC/EN 60079-7 rating data

Certificate No.	KEMA97ATEX1798U
max. voltage	550 V
Current	21 A
Conductor cross-section, max.	2.5 mm ²
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

Additional technical data

Installation advice	TS 32
UL 94 flammability rating of insulation material	V2
Insulating material	PA 66
Colour of insulating material	beige
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	25 A
Max. cross-section (CSA)	AWG 10
Min. cross-section (CSA)	AWG 26

Conductors for clamping (rated connection)

AWG conductor size, max.	5,26 mm ²
AWG conductor size, max.	AWG 10
Stranded, max.	4 mm ²
Stranded, min.	0,5 mm ²
AWG conductor size, min.	0,13 mm ²
AWG conductor size, min.	AWG 26
Connection direction	on side
Flexible, min.	0,5 mm ²
2nd type of connection	screwed
Solid, min.	0,5 mm ²
Twin wire-end ferrule, min.	0,50 mm ²
Twin wire end ferrule, max.	1,50 mm ²
Stripping length	10 mm
Type of connection	Screw connection
No. of connections	2
Tightening torque range	0.4...0.6 Nm
Solid, max.	6 mm ²
Flexible, max.	4 mm ²
flexible w. ferrule AEH, max. DIN 46228-1	4 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	4 mm ²
flexible w. ferrule AEH, min. DIN 46228-1	0,5 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0,5 mm ²
Clamping range, max.	6 mm ²
Clamping range, min.	0,13 mm ²
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Gauge to IEC 60947-1	A3
Torque level with DMS electric screwdriver	1

Dimensions

Width	6 mm
Length	36,5 mm
Height of lowest version	46,5 mm

Disconnect terminals

Torque level with DMS electric screwdriver	1
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Rating data

Rated cross-section	2,5 mm ²
Rated voltage	800 V
Rated impulse withstand voltage	8 kV
Rated current	24 A
Norm	IEC 60947-7-1
Current with max. conductor	41 A
Pollution severity	3

UL rating data

Min. cross-section (UL)	AWG 22
Voltage UL	600 V
Current (UL)	20 A
Max. cross-section (UL)	AWG 12

Approvals

Approvals CSA;GOST;0344;UL/UR;EX;CE;

Approvals



Approvals

Approvals



Downloads

DXF	22359_SAK_2.5_DXF.dxf
STEP	0279660000_22359_SAK_2.5_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

Related products

Order No.	Short text for material
0269660000	SAK 2.5
0269680000	SAK 2.5 BL
0322860000	SAK 2.5/10
0215560000	SAKD 2.5N
0215580000	SAKD 2.5N BL