

General ordering data

Order No.	1880870000
Part designation	SAK 2.5/EN RT
Version	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, red, TS 35 + TS 32
EAN	4032248481651
Qty.	100 pc(s).

PT OKIECEx/ATEX rating data

EU-type examination certificate	KEMA97ATEX1798U
IECEx Certificate of Conformity	IECExKEM06.0014U
ATEX voltage	690 V
ATEX current	21 A
ATEX conductor cross-section	2.5 mm ²
IECEx voltage	690 V
IECEx current	21 A
IECEx conductor cross-section	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

Colour of insulating material	red
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	Yes
Installation advice	TS 35 + TS 32
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	Snap-on
UL 94 flammability rating of insulation material	V2
Version	Feed-through terminal

CSA rating data

Voltage (CSA)	600 V
CSA current	25 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 10

Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	4 mm ²

Conductors for clamping (rated connection)

Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²

Conductors for clamping (rated connection)

Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	10 mm
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Tightening torque range	0.4...0.6 Nm
Solid, min.	0.5 mm ²
Solid, max.	6 mm ²
Stranded, min.	0.5 mm ²
Stranded, max.	4 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	4 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	4 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	4 mm ²
Twin wire-end ferrule, min.	0.5 mm ²
Twin wire end ferrule, max.	1.5 mm ²
AWG conductor size, min.	AWG 22
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.13 mm ²
AWG conductor size, max.	3.31 mm ²

Dimensions

Width	6.1 mm
Height of lowest version	42.5 mm
Length	44.5 mm
TS 32 offset	5 mm
TS 35 offset	19.5 mm

Rating data

Rated cross-section	2.5 mm ²
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	41 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	25 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 12

Approvals

Approvals institutes



Classifications

eClass 5.1

27-14-11-20

Similar products

Order No.	Part designation	Version
1907040000	DK 4 Q/EN	Feed-through terminal, 4 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32
1907030000	DK 4 Q/EN BL	Feed-through terminal, 4 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32
1907020000	DK 4 QV/EN	Feed-through terminal, 4 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32
0337660000	SAK 10/EN	Feed-through terminal, 10 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32
1853960000	SAK 10/EN GR RAL 7042	Feed-through terminal, 10 mm ² , Screw connection, PA 66, TS 35 + TS 32
1773900000	SAK 10/EN SW	Feed-through terminal, 10 mm ² , Screw connection, PA 66, TS 35 + TS 32
0218660000	SAK 2.5/EN	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32
0218680000	SAK 2.5/EN BL	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32
0339760000	SAK 16/EN	Feed-through terminal, 16 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32
1784390000	SAK 16/EN BL	Feed-through terminal, 16 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32
1858440000	SAK 2.5/EN SW	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, black, TS 35 + TS 32
1858460000	SAK 2.5/EN WS	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, white, TS 35 + TS 32
0467460000	SAK 4/EN	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, beige, TS 35 + TS 32
0467480000	SAK 4/EN BL	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, blue/light blue, TS 35 + TS 32
0339860000	SAK 35/EN	Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32
9130990000	SAK 4/EN BR	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, brown, TS 35 + TS 32
9129930000	SAK 4/EN GE	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, yellow, TS 35 + TS 32

9129950000	SAK 4/EN GN	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, green, TS 35 + TS 32
9129960000	SAK 4/EN GR	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, grey, TS 35 + TS 32
1853950000	SAK 4/EN GR 7042	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, grey, TS 35 + TS 32
0467400000	SAK 4/EN OR	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, Orange, TS 35 + TS 32
9129920000	SAK 4/EN RT	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, red, TS 35 + TS 32
9130980000	SAK 4/EN SW	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, black, TS 35 + TS 32
1773340000	SAK 4/EN WS	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, white, TS 35 + TS 32
0212860000	SAK 6/EN	Feed-through terminal, 6 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32
0212880000	SAK 6/EN BL	Feed-through terminal, 6 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32
1784410000	SAK 10/EN BL	Feed-through terminal, 10 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32
1772830000	SAK 10/EN OR	Feed-through terminal, 10 mm ² , Screw connection, PA 66, TS 35 + TS 32
1784400000	SAK 35/EN BL	Feed-through terminal, 35 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32
1772820000	SAK 6/EN GE	Feed-through terminal, 6 mm ² , Screw connection, PA 66, TS 35 + TS 32
1772810000	SAK 6/EN OR	Feed-through terminal, 6 mm ² , Screw connection, PA 66, TS 35 + TS 32
0212840000	SAK 6/EN RT	Feed-through terminal, 6 mm ² , Screw connection, PA 66, TS 35 + TS 32
0212810000	SAK 6/EN SW	Feed-through terminal, 6 mm ² , Screw connection, PA 66, TS 35 + TS 32
1773350000	SAK 6/EN WS	Feed-through terminal, 6 mm ² , Screw connection, PA 66, white, TS 35 + TS 32