

General ordering data

Order No.	0212840000
Part designation	SAK 6/EN RT
Version	Feed-through terminal, 6 mm ² , Screw connection, PA 66, TS 35 + TS 32
EAN	4008190205928
Qty.	100 pc(s).

Product notes

Note, ordering data	With AWG 6 and H07V-R10 conductors, an increased MD torque of 1.4 to 1.6 Nm should be used.
Note, technical data	For AWG 8-7 and AWG 8-19, tightening torque is 1.21.4 Nm
Note, accessories	When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.

PT OKIECEX/ATEX rating data

EU-type examination certificate	KEMA97ATEX1798U
IECEX Certificate of Conformity	IECEXKEM06.0014U
ATEX voltage	690 V
ATEX current	36 A
ATEX conductor cross-section	6 mm ²
IECEX voltage	690 V
IECEX current	36 A
IECEX conductor cross-section	6 mm ²
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

Additional technical data

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

CSA rating data

Voltage (CSA)	600 V
CSA current	47 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 6

Conductors for clamping (rated connection)

Clamping range, min.	0.33 mm ²
Clamping range, max.	10 mm ²
Type of connection	Screw connection

Conductors for clamping (rated connection)

2nd type of connection	screwed
Connection direction	on side
Stripping length	12 mm
Clamping screw	M 3.5
Blade size	4.0 x 0.8 mm
Tightening torque range	0.8...1.6 Nm
Torque level with DMS electric screwdriver	3
Gauge to IEC 60947-1	A5
Solid, min.	0.5 mm ²
Solid, max.	10 mm ²
Stranded, min.	0.5 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	10 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	6 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)	6 mm ²
Twin wire-end ferrule, min.	0.5 mm ²
Twin wire end ferrule, max.	4 mm ²
AWG conductor size, min.	AWG 22
AWG conductor size, max.	8.37 mm ²

Dimensions

Width	8 mm
Height of lowest version	47.5 mm
Length	40 mm

Disconnect terminals

Torque level with DMS electric screwdriver	3
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Rating data

Rated cross-section	6 mm ²
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	41 A
Standards	IEC 60947-7-1
Current with max. conductor	57 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	40 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 8

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
1853960000	SAK 10/EN GR RAL 7042	Feed-through terminal, 10 mm ² , Screw connection, PA 66, TS 35 + TS 32
1772830000	SAK 10/EN OR	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
1858440000	SAK 2.5/EN SW	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, black, 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
0212880000	SAK 6/EN BL	Feed-through terminal, 6 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32
0337660000	SAK 10/EN	Feed-through terminal, 10 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32
1784410000	SAK 10/EN BL	Feed-through terminal, 10 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
1880870000	SAK 2.5/EN RT	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, red, 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
0339860000	SAK 35/EN	Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32
1784400000	SAK 35/EN BL	Feed-through terminal, 35 mm ² , Screw connection, PA 66, blue, 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
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
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