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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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#### General ordering data

Order No.	0212860000
Part designation	SAK 6/EN
Version	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32
EAN	4008190065553
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
Download, German	KEMA97ATEX1798U_d.pdf
Download English	KEMA97ATEX1798U_e.pdf
IECEX Certificate of Conformity	IECEXKEM06.0014U
ATEX voltage	690 V
ATEX current	36 A
ATEX conductor cross-section	6 mm <sup>2</sup>
IECEX voltage	690 V
IECEX current	36 A
IECEX conductor cross-section	6 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	beige
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	No
Installation advice	TS 35 + TS 32

#### Additional technical data

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	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 <sup>2</sup>
Clamping range, max.	10 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
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 <sup>2</sup>
Solid, max.	10 mm <sup>2</sup>
Stranded, min.	0.5 mm <sup>2</sup>
Stranded, max.	6 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	10 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	6 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	6 mm <sup>2</sup>
Twin wire-end ferrule, min.	0.5 mm <sup>2</sup>
Twin wire end ferrule, max.	4 mm <sup>2</sup>
AWG conductor size, min.	AWG 22
AWG conductor size, max.	8.37 mm <sup>2</sup>

#### Dimensions

Width	8 mm
Height of lowest version	47.5 mm

#### Dimensions

Length	40 mm
TS 15 offset	21 mm
TS 35 offset	2 mm

#### Disconnect terminals

Torque level with DMS electric screwdriver	3
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#### Rating data

Rated cross-section	6 mm <sup>2</sup>
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 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	27-14-11-20

#### Similar products

Order No.	Part designation	Version
1907040000	DK 4 Q/EN	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32
1907030000	DK 4 Q/EN BL	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32
1907020000	DK 4 QV/EN	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32
1784410000	SAK 10/EN BL	Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32

1772830000	SAK 10/EN OR	Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32
1773900000	SAK 10/EN SW	Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32
0218660000	SAK 2.5/EN	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32
0218680000	SAK 2.5/EN BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32
0467460000	SAK 4/EN	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, beige, TS 35 + TS 32
0337660000	SAK 10/EN	Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32
1853960000	SAK 10/EN GR RAL 7042	Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32
0339760000	SAK 16/EN	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32
1784390000	SAK 16/EN BL	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32
1880870000	SAK 2.5/EN RT	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, red, TS 35 + TS 32
1858440000	SAK 2.5/EN SW	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, black, TS 35 + TS 32
1858460000	SAK 2.5/EN WS	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, white, TS 35 + TS 32
0467480000	SAK 4/EN BL	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, blue/light blue, TS 35 + TS 32
0339860000	SAK 35/EN	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32
1784400000	SAK 35/EN BL	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32
9130990000	SAK 4/EN BR	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, brown, TS 35 + TS 32
9129930000	SAK 4/EN GE	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, yellow, TS 35 + TS 32
9129950000	SAK 4/EN GN	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, green, TS 35 + TS 32
9129960000	SAK 4/EN GR	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, grey, TS 35 + TS 32
1853950000	SAK 4/EN GR 7042	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, grey, TS 35 + TS 32
0467400000	SAK 4/EN OR	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, Orange, TS 35 + TS 32
9129920000	SAK 4/EN RT	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, red, TS 35 + TS 32
9130980000	SAK 4/EN SW	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, black, TS 35 + TS 32
1773340000	SAK 4/EN WS	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, white, TS 35 + TS 32
0212880000	SAK 6/EN BL	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32
1772820000	SAK 6/EN GE	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32

1772810000	SAK 6/EN OR	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32
0212840000	SAK 6/EN RT	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32
0212810000	SAK 6/EN SW	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32
1773350000	SAK 6/EN WS	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, white, TS 35 + TS 32