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Stocking Distributor

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[Weidmüller](#)
[0271080000](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

General ordering data

Order No.	0271080000
Part designation	SAK 16 BL
Version	Feed-through terminal, 16 mm ² , Screw connection, PA 66, blue, TS 32
EAN	4008190097578
Qty.	50 pc(s).

Product notes

Note, ordering data	If QIs are aligned side by side, then a TW/AP must be used.
Note, technical data	Twin wire end ferrules ZH 2.5 - ZH 16 can be used.

PT OKIECEEx/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	66 A
ATEX conductor cross-section	16 mm ²
IECEX voltage	690 V
IECEX current	66 A
IECEX conductor cross-section	16 mm ²
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	blue
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	No
Installation advice	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	87 A
Min. cross-section (CSA)	AWG 14
Max. cross-section (CSA)	AWG 6

Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	4 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	16 mm ²

Conductors for clamping (rated connection)

Clamping range, min.	2.5 mm ²
Clamping range, max.	16 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	15 mm
Clamping screw	M 4
Blade size	1.0 x 5.5 mm
Tightening torque range	2.0...4.0 Nm
Gauge to IEC 60947-1	B6
Solid, min.	2.5 mm ²
Solid, max.	10 mm ²
Stranded, min.	4 mm ²
Stranded, max.	16 mm ²
Flexible, min.	4 mm ²
Flexible, max.	16 mm ²
Flexible with ferrule, min. (DIN 46228/1)	4 mm ²
Flexible with ferrule, max. (DIN 46228/1)	16 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	16 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	16 mm ²
Twin wire-end ferrule, min.	1.5 mm ²
Twin wire end ferrule, max.	10 mm ²
AWG conductor size, min.	AWG 12
AWG conductor size, max.	AWG 6
AWG conductor size, min.	3.31 mm ²
AWG conductor size, max.	16 mm ²

Dimensions

Width	12 mm
Height of lowest version	57.5 mm
Length	50 mm
TS 32 offset	25 mm

Rating data

Rated cross-section	16 mm ²
Rated voltage	1,000 V
Rated impulse voltage	8 kV

Rating data

Rated current	76 A
Standards	IEC 60947-7-1
Current with max. conductor	76 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	80 A
Min. cross-section (UL)	AWG 12
Max. cross-section (UL)	AWG 4

Approvals

Approvals institutes



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

Similar products

Order No.	Part designation	Version
0271060000	SAK 16	Feed-through terminal, 16 mm ² , Screw connection, PA 66, beige, TS 32