

**SAK terminal feed-through terminal
SAK 16/35 PA/BL**

Weidmüller Interface GmbH & Co. KG
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The Weidmüller SAK feed-through terminals satisfy the requirements of IEC 60947-1 and are available with rated cross-sections from 0.08 mm² to 240 mm².

General ordering data

Order No.	0380680000
Part designation	SAK 16/35 PA/BL
Version	SAK terminal feed-through terminal, Feed-through terminal, Rated cross-section: 16 mm ² , Screw connection, PA 66, blue
GTIN (EAN)	4008190079512
Qty.	50 pc(s).

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Technical data

CSA ratings data

Certificate no.	154685-1501714	Voltage size C	600 V
Current size C (CSA)	87 A	Conductor cross-section, max.	4 AWG
Conductor cross-section, min.	14 AWG		

UL ratings data

Certificate no.	E60693VOL1SEC14	Voltage size C	600 V
Current size C (UR)	80 A	Conductor size Factory wiring, max	4 AWG
Conductor size Factory wiring, min	12 AWG	Conductor size Field wiring, max	4 AWG

IECEX/ATEX rating data

Certificate no.	KEMA97ATEX1798U	ATEX certificate	KEMA97ATEX1798U_d.pdf
ATEX certificate	KEMA97ATEX1798U_e.pdf	Certificate no.	IECEXKEM06.0014U
max. voltage	690 V	Current (ATEX)	66 A
Conductor cross-section, max.	16 mm ²	max. voltage	690 V
Current (IECEX)	66 A	Conductor cross-section, max.	16 mm ²
Voltage when using cross-connections	CrossConnectionGuide.pdf	Operating temperature range	
Marking EN 60079-7	Ex e II		

Additional technical data

Colour of insulating material	blue	Connection direction	on side
End cover plate required	Yes	Explosion-tested version	No
Flammability class UL 94	V-2	Insulating material	PA 66
Levels cross-connected internally	No	No. of clamping points per level	2
Number of identical terminals	1	Number of levels	1
Open sides	right	Operating temperature range, max.	130 °C
Operating temperature range, min.	-60 °C	Product family	SAK terminal feed-through terminal
Type of connection	Screw connection	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Rated current	76 A	Type of connection	Screw connection
Clamping screw	M 4	Blade size	1.0 x 5.5 mm
Tightening torque, max.	2.4 Nm	Tightening torque, min.	2 Nm
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	4 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	16 mm ²
Conductor connection cross-section AWG, min.	AWG 12	Conductor connection cross-section AWG, max.	AWG 6

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Conductors for clamping (rated connection)

Clamping range, min.	2.5 mm ²	Clamping range, max.	16 mm ²
Type of connection	Screw connection	Connection direction	on side
No. of connections	2	Clamping screw	M 4
Blade size	1.0 x 5.5 mm	Tightening torque, min.	2 Nm
Tightening torque, max.	2.4 Nm	Torque setting with DMS electric screwdriver 4	
Gauge to IEC 60947-1	B6	Conductor cross-section, solid, min.	2.5 mm ²
Conductor cross-section, solid, max.	16 mm ²	Stranded, min.	4 mm ²
Stranded, max.	16 mm ²	Conductor cross-section, flexible, max.	16 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	4 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, max.	16 mm ²
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, min.	4 mm ²	Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	16 mm ²
Twin wire-end ferrule, min.	1.5 mm ²	Twin wire-end ferrule, max.	10 mm ²
Conductor connection cross-section AWG, min.	AWG 12	Conductor connection cross-section AWG, max.	AWG 6

Rating data

Rated cross-section	16 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	76 A
Standards	IEC 60947-7-1	Current with max. conductor	76 A
Pollution severity	3		

Approvals

Approvals institutes	BURVER; CSA; GERMLLOYD; IECEXKEM; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; UR; CE
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Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
eClass 5.1	27-14-11-20	eClass 6.0	27-14-11-20

Product notes

Note, ordering data	If QIs are aligned side by side, then a TW/AP must be used.
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