

**SAK terminal with screw connection  
SAK 4/35 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 mm<sup>2</sup> to 240 mm<sup>2</sup>.

**General ordering data**

Order No.	<a href="#">0443680000</a>
Part designation	SAK 4/35 BL
Version	SAK terminal with screw connection, Feed-through terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, PA 66, blue, Direct mounting
GTIN (EAN)	4008190003869
Qty.	100 pc(s).

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## Technical data

### CSA ratings data

Certificate no.	12400-129	Voltage size C	600 V
Current size C (CSA)	36 A	Conductor cross-section, max.	10 AWG
Conductor cross-section, min.	26 AWG		

### UL ratings data

Certificate no.	E60693VOL1SEC14	Voltage size C	600 V
Current size C (UR)	30 A	Conductor size Factory wiring, max	10 AWG
Conductor size Factory wiring, min	22 AWG	Conductor size Field wiring, max	10 AWG

### IECEX/ATEX rating data

Certificate no.	KEMA97ATEX1798U	ATEX certificate	KEMA97ATEX1798U_d.pdf
ATEX certificate	KEMA97ATEX1798U_e.pdf	Certificate no.	IECEXKEM06.0014U
max. voltage	550 V	Current (ATEX)	28 A
Conductor cross-section, max.	4 mm <sup>2</sup>	max. voltage	550 V
Current (IECEX)	28 A	Conductor cross-section, max.	4 mm <sup>2</sup>
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	Yes
Flammability class UL 94	V-2	Installation advice	Direct mounting
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.	100 °C	Operating temperature range, min.	-50 °C
Product family	SAK terminal with screw connection	Type of connection	Screw connection
Type of mounting	Snap-on		

### Conductors for clamping (additional connection)

Rated current	32 A	Type of connection	Screw connection
Clamping screw	M 3	Blade size	0.6 x 3.5 mm
Tightening torque, max.	1 Nm	Tightening torque, min.	0.5 Nm
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm <sup>2</sup>
Conductor connection cross-section AWG, min.	AWG 26		

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**Technical data**
**Conductors for clamping (rated connection)**

Clamping range, min.	0.13 mm <sup>2</sup>	Clamping range, max.	6 mm <sup>2</sup>
Type of connection	Screw connection	Connection direction	on side
No. of connections	2	Stripping length	12 mm
Clamping screw	M 3	Blade size	0.6 x 3.5 mm
Tightening torque, min.	0.5 Nm	Tightening torque, max.	1 Nm
Torque setting with DMS electric screwdriver 2		Gauge to IEC 60947-1	A4
Conductor cross-section, solid, min.	0.5 mm <sup>2</sup>	Conductor cross-section, solid, max.	6 mm <sup>2</sup>
Stranded, min.	0.5 mm <sup>2</sup>	Stranded, max.	4 mm <sup>2</sup>
Conductor cross-section, flexible, max.	4 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, max.	4 mm <sup>2</sup>	Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	4 mm <sup>2</sup>	Twin wire-end ferrule, min.	0.5 mm <sup>2</sup>
Twin wire-end ferrule, max.	2.5 mm <sup>2</sup>	Conductor connection cross-section AWG, min.	AWG 26

**Rating data**

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	32 A
Standards	IEC 60947-7-1	Current with max. conductor	41 A
Pollution severity	3		

**Approvals**

Approvals institutes	BURVER; CSA; EXIKONF; GERMLLOYD; GOSTME25; IECEXKEM; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; RINA; UR; CE; ROHS
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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