

**SAK terminal with screw connection
SAK 2.5/EN**

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.	0218660000
Type	SAK 2.5/EN
Version	SAK terminal with screw connection, Feed-through terminal, Rated cross-section: 2.5 mm ² , Screw connection
EAN	4008190010171
Qty.	100 pc(s).

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Technical data
Dimensions

Length	44.5 mm	Width	6.1 mm
Height	42.5 mm	Height of lowest version	42.5 mm

Temperatures

Operating temperature	-50 °C...+100 °C	Storage temperature	
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CSA ratings data

Certificate No. (CSA)	12400-129	Voltage size C (CSA)	600 V
Current size C (CSA)	25 A	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

UL ratings data

Certificate No. (UR)	E60693VOL1SEC14	Voltage size C (UR)	600 V
Current size C (UR)	20 A	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	12 AWG

IECEX/ATEX rating data

Certificate No. (ATEX)	KEMA97ATEX1798U	ATEX certificate	IECEXKEM06.0014U
ATEX certificate	KEMA97ATEX1798U_e.pdf	Certificate No. (IECEX)	IECEXKEM06.0014U
IEC Ex certificate	IECEXKEM06.0014U_e.pdf	max. voltage	690 V
Current (ATEX)	21 A	Wire cross section max. (ATEX)	2.5 mm ²
max. voltage	690 V	Current (IECEX)	21 A
Wire cross section max. (IECEX)	2.5 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
			Ex e II

Material data

Material	PA 66	Colour	beige
Flammability class UL 94	V-2		

System specifications

Product family	SAK terminal with screw connection	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35, TS 32
End cover plate required	Yes		

Additional technical data

Explosion-tested version	Yes	Number of identical terminals	1
Open sides	right	Type of mounting	Snap-on
Version	Double terminal		

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Technical data

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. 0.5 mm²

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 4 mm²

Conductors for clamping (rated connection)

Type of connection	Screw connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	0.13 mm ²
Clamping range, rated connection, max.	6 mm ²	Clamping screw	M 2.5
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.6 Nm
Torque setting with DMS electric screwdriver 1		Gauge to IEC 60947-1	A3
Conductor cross-section, solid, min.	0.5 mm ²	Wire connection cross section, solid core max. rated connection	6 mm ²
Wire connection cross section, stranded, rated connection, min.	0.5 mm ²	Wire connection cross section, stranded, rated connection, max.	4 mm ²
Wire connection cross section, finely stranded, max.	4 mm ²	Conductor cross-section, flexible, min.	0.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	4 mm ²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	4 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Twin wire-end ferrules, max.	1.5 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	24 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Pollution severity	3		

Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
ETIM 4.0	EC000897	UNSPSC	30-21-18-11
eClass 4.1	27-14-11-20	eClass 5.1	27-14-11-20
eClass 6.0	27-14-11-20		

Approvals

Approvals CE; CSA; GOSTEX; GOSTME25; IECEXKEM; KEMAATEX; KEMAKEUR; UR; ROHS

Product notes

Note, technical data With twin ferrules ZH 0.5 to ZH 1.5, rated voltage is 690 V.