

SAK terminal with screw connection
SAK 2.5

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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

Material number	0279660000
Short text for material	SAK 2.5
Article - short description	SAK terminal with screw connection, Feed-through terminal, Rated cross-section: 2.5 mm ² , Screw connection, PA 66, beige
EAN	4008190069926
Qty.	100 pc(s).

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Technical data

Temperatures

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

Certificate no.	12400-129	Voltage size C	600 V
Current size C (CSA)	25 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)	20 A	Conductor size Factory wiring, max	12 AWG
Conductor size Factory wiring, min	22 AWG	Conductor size Field wiring, max	12 AWG

Approvals

Approvals	BURVER; CE; CSA; CURUSEX; DETNORVER; GERMLLOYD; GOSTEX; GOSTME25; IECEXKEM; KEMAATEX; KEMAKEUR; MARITREG; UR
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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)	21 A
Conductor cross-section, max.	2.5 mm ²	max. voltage	550 V
Current (IECEX)	21 A	Conductor cross-section, max.	2.5 mm ²
Voltage, cross-connection	CrossConnectionGuide.pdf	Operating temperature range	
Marking EN 60079-7	Ex e II		

Material data

Colour	beige	Flammability class UL 94	V-2
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System specifications

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

Additional technical data

Explosion-tested version	No	Open sides	right
Type of mounting	Snap-on	Version	Double terminal

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Conductors for clamping (additional connection)

Rated current	24 A	Type of connection	Screw connection
Clamping screw	M 2.5	Blade size	0.6 x 3.5 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²
Conductor connection cross-section AWG, min.	AWG 26	Conductor connection cross-section AWG, max.	AWG 10

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
No. 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	Conductor cross-section, solid, max.	6 mm ²
Conductor cross-section, stranded, rated connection, min.	0.5 mm ²	Conductor cross-section, stranded, rated connection, max.	4 mm ²
Conductor cross-section, flexible, max.	4 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, max.	4 mm ²	Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	4 mm ²	Twin wire-end ferrule, min.	0.5 mm ²
Twin wire-end ferrule, max.	1.5 mm ²	Conductor connection cross-section AWG, min.	AWG 26
Conductor connection cross-section AWG, max.	AWG 10		

Dimensions

Length	36.5 mm	Width	6 mm
Height	46.5 mm		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	24 A
Current with max. conductor	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		

Downloads

DXF	22359_SAK_2.5_DXF.dxf
STEP	0279660000_22359_SAK_2.5_STP.stp