

SAK Series
SAKD 2.5N**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

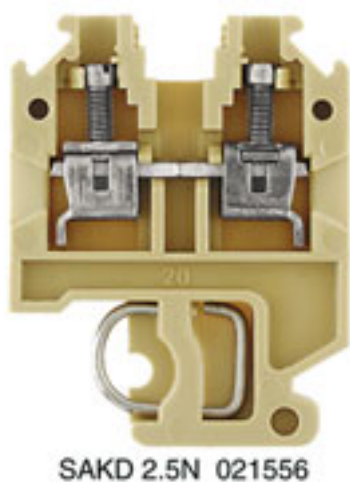
D-32758 Detmold

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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

Type	SAKD 2.5N
Order No.	0215560000
GTIN (EAN)	4008190163433
Qty.	100 pc(s).

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Technical data
Dimensions and weights

Length	32.5 mm	Width	5 mm
Height	43.5 mm	Height of lowest version	43.5 mm
Net weight	6.48 g		

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting		Version	Screw connection, for screwable cross-connection, One end without connector
	Snap-on		

CSA ratings data

Certificate No. (CSA)	12400-115	Voltage size C (CSA)	300 V
Current size C (CSA)	20 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	22 AWG		

Clampable wires (additional connection)

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
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Clampable wires (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.	0.08 mm ²
Clamping range, rated connection, max.	4 mm ²	Clamping screw	M 2.5
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.6 Nm
Torque level with DMS electric screwdriver	1	Gauge to IEC 60947-1	A2
Wire connection cross section, solid core, max. rated connection	0.5 mm ²	Wire connection cross section, solid core max. rated connection	4 mm ²
Wire connection cross section, stranded, rated connection, min.	0.5 mm ²	Wire connection cross section, stranded, rated connection, max.	2.5 mm ²
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded, 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.	2.5 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.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Twin wire-end ferrules, max.	1 mm ²
Wire connection cross section AWG, min.	AWG 28	Wire connection cross section AWG, max.	AWG 12

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Technical data
Rated data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated impulse withstand voltage	6 kV	Rated current	24 A
Current at maximum wires	30 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693VOL1SEC14	Voltage size C (UR)	300 V
Current size C (UR)	20 A	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	28 AWG	Conductor size Field wiring max. (UR)	12 AWG

Material data

Insulating material	PA 66	Material	PA 66
Colour	Beige	UL 94 flammability rating	V-2

System specifications

Product family	SAK Series	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 32
End cover plate required	Yes		

Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-20
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

Product information

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

Approvals



ROHS	Conform
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