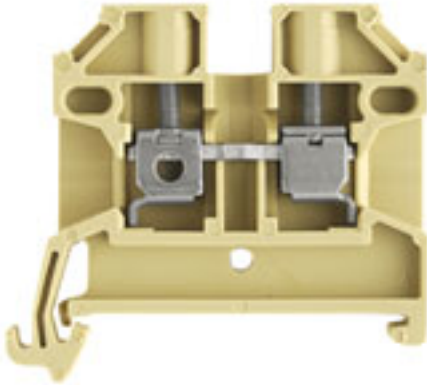


SAK 2.5/35**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal block, Screw connection, beige / yellow, 2.5 mm ² , 24 A, 800 V, Number of connections: 2, Number of levels: 1, TS 35, V-2, PA 66, 100 °C
Order No.	0380460000
Type	SAK 2.5/35
GTIN (EAN)	4008190042363
Qty.	100 pc(s).
Alternative product	1020000000

Creation date November 26, 2024 11:54:41 AM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	40 mm	Depth (inches)	1.575 inch
Height	44.5 mm	Height (inches)	1.752 inch
Width	6.1 mm	Width (inches)	0.24 inch
Net weight	6.33 g		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Material data

Material	PA 66	Colour	beige / yellow
UL 94 flammability rating	V-2		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8207U	Certificate No. (IECEX)	IECEXTUR18.0017U
Max. voltage (ATEX)	690 V	Current (ATEX)	24 A
Wire cross section max. (ATEX)	6 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	6 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

System specifications

Version	Screw connection, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

CSA rating data

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

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Technical data

Conductors for clamping (additional connection)

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

4 mm²

Connection type, additional connection

Screw connection

Conductors for clamping (rated connection)

Blade size 0.6 x 3.5 mm

Clamping range, min. 0.13 mm²Connection cross-section, stranded, max. 4 mm²

Connection direction on side

Number of connections 2

Tightening torque, max. 0.8 Nm

Torque level with DMS electric screwdriver 1

Twin wire-end ferrules, min. 0.5 mm²

Wire connection cross section AWG, min. AWG 26

Wire connection cross section, finely stranded, min. 0.5 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 0.5 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 0.5 mm²Wire connection cross-section, solid core, min. 0.5 mm²Clamping range, max. 6 mm²

Clamping screw M 2.5

Connection cross-section, stranded, min. 0.5 mm²

Gauge to IEC 60947-1 A3

Stripping length 10 mm

Tightening torque, min. 0.4 Nm

Twin wire-end ferrules, max. 1.5 mm²

Type of connection Screw connection

Wire connection cross section, finely stranded, max. 4 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 4 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 4 mm²Wire connection cross-section, solid core, max. 6 mm²

General

Installation advice Direct mounting

Standards IEC 60947-7-1

Rail TS 35

Wire connection cross section AWG, min. AWG 26

Rating data

Rated cross-section 2.5 mm²

Rated DC voltage 800 V

Current at maximum wires 41 A

Volume resistance according to IEC 60947-7-x 1.33 mΩ

Power loss in accordance with IEC 60947-7-x 0.77 W

Rated voltage 800 V

Rated current 24 A

Standards IEC 60947-7-1

Rated impulse withstand voltage 8 kV

Pollution severity 3

UL rating data

Certificate No. (UR) E60693

Conductor size Factory wiring min. (UR) 22 AWG

Conductor size Field wiring min. (UR) 22 AWG

Voltage size C (UR) 600 V

Conductor size Factory wiring max. (UR) 12 AWG

Conductor size Field wiring max. (UR) 12 AWG

Current size C (UR) 20 A

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Technical data

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01
ECLASS 14.0	27-25-01-01		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity CFAT SAK 2.5/35 UKCA Ex Attestation of Conformity CB Certificate CB Test Certificate Lloyds Register Certificate IECEx Certificate ATEX Certificate DNV Certificate Declaration of Conformity UKCA declaration of conformity
Engineering Data	CAD data – 22364_SAK_2.5-35_DXF.dxf CAD data – STEP
Product Change Notification	20210308 Technical Change SAK PA 35
User Documentation	StorageConditionsTerminalBlocks NTI SAK 2.5/35
Catalogues	Catalogues in PDF-format