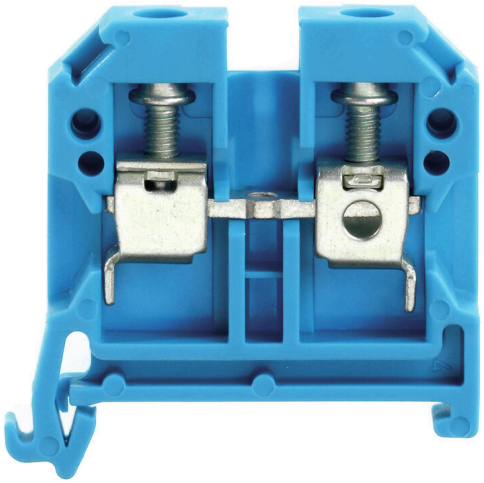
Data sheet

SAK 6/35 PA/BL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



RoHS COMPLIANT

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, blue, 6 mm², 41 A, 800 V, Number of connections: 2
Order No.	0380580000
Type	SAK 6/35 PA/BL
GTIN (EAN)	4008190029050
Qty.	100 items
Alternative product	WDU 6 BL

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Data sheet

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Technical data

Approvals

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

Dimensions and weights

Depth	44 mm	Depth (inches)	1.7323 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	8 mm	Width (inches)	0.315 inch
Net weight	13.39 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...55 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Environmental Product Compliance

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

Material data

Basic material	PA 66	Colour	blue
UL 94 flammability rating	V-2		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8207U	Certificate No. (IECEX)	IECEXTUR18.0017U
Max. voltage (ATEX)	550 V	Current (ATEX)	41 A
Wire cross section max. (ATEX)	10 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	41 A	Wire cross section max. (IECEX)	10 mm²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

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Technical data

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	8 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	47 A	Certificate No. (CSA)	154685-1501714
Wire cross section min. (CSA)	20 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	6 mm²	Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 8
Connection direction	on side	Tightening torque, max.	1.6 Nm
Tightening torque, min.	0.8 Nm	Stripping length	12 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	10 mm²	Clamping range, min.	0.33 mm²
Clamping screw	M 3.5	Blade size	4.0 x 0.8 mm
Wire connection cross section AWG, min.	AWG 22	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.33 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.33 mm²	Wire connection cross section, finely stranded, max.	10 mm²
Wire connection cross section, finely stranded, min.	0.33 mm²	Connection cross-section, stranded, max.	6 mm²
Connection cross-section, stranded, min.	0.33 mm²	Twin wire-end ferrules, max.	4 mm²
Twin wire-end ferrules, min.	0.5 mm²	Torque level with DMS electric screwdriver	3
Wire connection cross-section, solid core, max.	10 mm²	Wire connection cross-section, solid core, min.	0.33 mm²
Connection cross-section, finely stranded, min.	0.33 mm²		

Dimensions

TS 35 offset	31.7 mm

General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	6 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	41 A

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Technical data

Current at maximum wires	57 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	8 AWG	Current size C (UR)	40 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	22 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring max. (UR)	8 AWG		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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