Data sheet

SAKG 32 II

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, medium yellow, 50 mm², 150 A, 1000 V, Number of connections: 1
Order No.	0170420000
Type	SAKG 32 II
GTIN (EAN)	4008190011369
Qty.	10 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	53 mm	Depth (inches)	2.0866 inch
Height	80 mm	Height (inches)	3.1496 inch
Width	32 mm	Width (inches)	1.2598 inch
Net weight	129.8 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	999cd67e-471e-4085-8dba-1342fcea86de

Material data

Basic material	KrG	Colour	medium yellow
UL 94 flammability rating	V-0, 5VA		

System specifications

Version	Stud terminal	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 32	N-function	No
PE function	No	PEN function	No

Additional technical data

Open sides	Open	Number of similar terminals	1
Explosion-tested version	No	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	00 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	170 A	Certificate No. (CSA)	12400-199
Wire cross section min. (CSA)	1 AWG		

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Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 3/0	Connection direction	on side
Tightening torque, max.	12 Nm	Tightening torque, min.	6 Nm
Stripping length	18 mm	Type of connection	Screw connection
Number of connections	1	Clamping range, max.	70 mm²
Clamping range, min.	10 mm²	Clamping screw	M 8
Wire connection cross section AWG, min.	AWG 6	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm²	Wire connection cross section, finely stranded, max.	70 mm²
Wire connection cross section, finely stranded, min.	10 mm²	Connection cross-section, stranded, max.	70 mm²
Connection cross-section, stranded, min.	10 mm²	Wire connection cross-section, solid core, max.	70 mm²
Wire connection cross-section, solid core, min.	10 mm²	Connection cross-section, finely stranded, min.	10 mm²

General

Wire connection cross section AWG, max.	AWG 3/0	Wire connection cross section AWG, min.	AWG 6
Standards	IEC 60947-7-1	Mounting rail	TS 32

Rating data

Rated cross-section	50 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	150 A
Current at maximum wires	192 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.21 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	4.80 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	000 AWG	Current size C (UR)	200 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	6 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	6 AWG
Conductor size Field wiring max. (UR)	000 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		