

SAKG 40 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, Threaded stud connection, medium yellow, 95 mm ² , 232 A, 1000 V, Number of connections: 1
Order No.	0170520000
Type	SAKG 40 II
GTIN (EAN)	4008190049911
Qty.	10 items

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Technical data

Approvals

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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	90 mm	Height (inches)	3.5433 inch
Width	46 mm	Width (inches)	1.811 inch
Net weight	204.51 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)	0000 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	250 A	Certificate No. (CSA)	12400-119
Wire cross section min. (CSA)	00 AWG		

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Conductors for clamping (additional connection)

Connection type, additional connection Threaded stud connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 4/0	Connection direction	on side
Tightening torque, max.	20 Nm	Tightening torque, min.	10 Nm
Stripping length	22 mm	Type of connection	Threaded stud connection
Number of connections	1	Clamping range, max.	95 mm ²
Clamping range, min.	10 mm ²	Clamping screw	M 10
Wire connection cross section AWG, min.	AWG 20	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm ²	Wire connection cross section, finely stranded, max.	95 mm ²
Wire connection cross section, finely stranded, min.	10 mm ²	Connection cross-section, stranded, max.	95 mm ²
Connection cross-section, stranded, min. 10 mm ²		Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	10 mm ²	Connection cross-section, finely stranded, min.	10 mm ²

General

Wire connection cross section AWG, max.	AWG 4/0	Wire connection cross section AWG, min.	AWG 20
Standards	IEC 60947-7-1	Mounting rail	TS 32

Rating data

Rated cross-section	95 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	232 A
Current at maximum wires	232 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.14 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	7.42 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	0000 AWG	Current size C (UR)	230 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	1 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	1 AWG
Conductor size Field wiring max. (UR)	0000 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		