

SAKG 46 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, 150 mm ² , 309 A, 1000 V, Number of connections: 2
Order No.	0170620000
Type	SAKG 46 II
GTIN (EAN)	4008190170592
Qty.	5 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	57 mm	Depth (inches)	2.2441 inch
Height	106 mm	Height (inches)	4.1732 inch
Width	46 mm	Width (inches)	1.811 inch
Net weight	307.65 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
Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	Snap-on		

CSA rating data

Wire cross section max. (CSA)	300 kcmil	Voltage size C (CSA)	600 V
Current size C (CSA)	365 A	Certificate No. (CSA)	12400-199

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Conductors for clamping (additional connection)

Connection type, additional connection Threaded stud connection

Conductors for clamping (rated connection)

Cable lug to DIN 46234	10...185 mm ²	Cable lug to DIN 46235	25 - 150 mm ²
Wire connection cross section AWG, max.	AWG 350 MCM	Connection direction	on side
Tightening torque, max.	31 Nm	Tightening torque, min.	14 Nm
Stripping length	28 mm	Type of connection	Threaded stud connection
Number of connections	2	Clamping range, max.	185 mm ²
Clamping range, min.	10 mm ²	Clamping screw	M 12
Wire connection cross section AWG, min.	AWG 8	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.	185 mm ²
Wire connection cross section, finely stranded, min.	10 mm ²	Connection cross-section, stranded, max.	185 mm ²
Connection cross-section, stranded, min. 10 mm ²		Wire connection cross-section, solid core, max.	185 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 350 MCM	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 8	Standards	IEC 60947-7-1
Mounting rail	TS 32		

Rating data

Rated cross-section	150 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	309 A
Current at maximum wires	353 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	9.89 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	300 kcmil	Current size C (UR)	285 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	0000 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	0000 AWG
Conductor size Field wiring max. (UR)	300 kcmil		

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		