

SAKG 46 II**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Are you looking for an interface from electrical engineering to electronics? To be able to feed through to the electronic devices on the panel sometimes a solder connection or a standard pluggable solution is appropriate.

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 pc(s).

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Technical data

Dimensions and weights

Depth	57 mm	Depth (inches)	2.244 inch
Height	106 mm	Height (inches)	4.173 inch
Width	46 mm	Width (inches)	1.811 inch
Net weight	307.648 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

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
Rail	TS 32	N-function	No
PE function	No	PEN function	No

Additional technical data

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

CSA rating data

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

Conductors for clamping (additional connection)

Connection type, additional connection	Threaded stud connection
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Technical data

Conductors for clamping (rated connection)

Cable lug to DIN 46234	10...185 mm ²
Clamping range, max.	185 mm ²
Clamping screw	M 12
Connection cross-section, stranded, min.	10 mm ²
Number of connections	2
Tightening torque, max.	31 Nm
Type of connection	Threaded stud connection
Wire connection cross section AWG, min.	AWG 8
Wire connection cross section, finely stranded, min.	10 mm ²
Wire connection cross-section, solid core, min.	10 mm ²

Cable lug to DIN 46235	25 - 150 mm ²
Clamping range, min.	10 mm ²
Connection cross-section, stranded, max.	185 mm ²
Connection direction	on side
Stripping length	28 mm
Tightening torque, min.	14 Nm
Wire connection cross section AWG, max.	AWG 350 MCM
Wire connection cross section, finely stranded, max.	185 mm ²
Wire connection cross-section, solid core, max.	185 mm ²

General

Installation advice	Direct mounting
Standards	IEC 60947-7-1
Wire connection cross section AWG, min.	AWG 8

Rail	TS 32
Wire connection cross section AWG, max.	AWG 350 MCM

Rating data

Rated cross-section	150 mm ²
Rated DC voltage	1,000 V
Current at maximum wires	353 A
Volume resistance according to IEC 60947-7-x	0.1 mΩ
Power loss in accordance with IEC 60947-7-x	9.89 W

Rated voltage	1,000 V
Rated current	309 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)	0000 AWG
Conductor size Field wiring min. (UR)	0000 AWG
Voltage size C (UR)	600 V

Conductor size Factory wiring max. (UR)	300 kcmil
Conductor size Field wiring max. (UR)	300 kcmil
Current size C (UR)	285 A

Classifications

ETIM 6.0	EC000897
ETIM 8.0	EC000897
ETIM 10.0	EC000897
ECLASS 9.1	27-14-11-20
ECLASS 11.0	27-14-11-20
ECLASS 13.0	27-25-01-01
ECLASS 15.0	27-25-01-01

ETIM 7.0	EC000897
ETIM 9.0	EC000897
ECLASS 9.0	27-14-11-20
ECLASS 10.0	27-14-11-20
ECLASS 12.0	27-14-11-20
ECLASS 14.0	27-25-01-01

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Technical data

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319231/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity UKCA declaration of conformity
Engineering Data	CAD data – 01123_SAKG_46_II_DXF.dxf CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format