

EK 2**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

General ordering data

Version	SAK Series, PE terminal, Rated cross-section: 10 mm ² , Screw connection
Order No.	0323100000
Type	EK 2
GTIN (EAN)	4008 190013585
Qty.	20 pc(s).

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Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	38 mm	Depth (inches)	1.496 inch
Height	52 mm	Height (inches)	2.047 inch
Width	10.2 mm	Width (inches)	0.402 inch
Net weight	32.9 g		

Temperatures

Storage temperature	-25 °C...55 °C
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Material data

Colour	yellow, green
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System specifications

Version	Screw connection, With PE connection	End cover plate required	No
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	Yes
Rail	TS 32	N-function	No
PE function	Yes	PEN function	No

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	closed	Type of mounting	when screwed in

CSA rating data

Certificate No. (CSA)	12400-236	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	10 mm ²
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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	10 mm ²
Clamping range, min.	1.5 mm ²	Clamping screw	M 4
Connection cross-section, stranded, max.	10 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	14 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	1.2 Nm
Torque level with DMS electric screwdriver	4	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, max.	10 mm ²	Wire connection cross section, finely stranded, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²
Wire connection cross-section, solid core, max.	10 mm ²	Wire connection cross-section, solid core, min.	1.5 mm ²

General

Rail	TS 32	Standards	IEC 60947-7-2
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 16

PE rating data

Rated short-time current	1200 A (10 mm ²)	Centre screw on PE terminals	M 5
Tightening torque range for fixing screw	2.0...4.0 Nm	PEN function	No

Rating data

Rated cross-section	10 mm ²	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Power loss in accordance with IEC 60947-7-x	1.82 W

Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41
ECLASS 11.0	27-14-11-41	ECLASS 12.0	27-14-11-41

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	8ba1cc8e-9787-42d9-b332-c835bd57699a

Approvals

Approvals



ROHS Conform

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Approval/Certificate/Document of Conformity	CB Certificate CB Test Certificate EAC certificate Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	WSCAD
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format