

**EK 16****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: 16 mm <sup>2</sup> , Screw connection, Green/yellow, Direct mounting
Order No.	<a href="#">0374660000</a>
Type	EK 16
GTIN (EAN)	4008190139889
Qty.	50 pc(s).

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Catalogue status 07.07.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	57.5 mm	Depth (inches)	2.264 inch
Height	50 mm	Height (inches)	1.969 inch
Width	12 mm	Width (inches)	0.472 inch
Net weight	46.6 g		

## Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	100 °C		

## Material data

Material	PA 66	Colour	yellow, green
UL 94 flammability rating	V-2		

## System specifications

Version	Screw connection, With PE connection, One end without connector	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	Yes

## Additional technical data

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

## CSA rating data

Certificate No. (CSA)	12400-127	Current size C (CSA)	80 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	10 AWG		

## Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	16 mm <sup>2</sup>
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## Technical data

## Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm <sup>2</sup>
Clamping range, min.	4 mm <sup>2</sup>	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm <sup>2</sup>	Connection cross-section, stranded, min.	4 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	16 mm
Tightening torque, max.	2.2 Nm	Tightening torque, min.	2 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	4 mm <sup>2</sup>		

## General

Installation advice	Direct mounting	Rail	TS 32
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 12		

## PE rating data

Rated short-time current	1920 A (16 mm <sup>2</sup> )	Centre screw on PE terminals	M 3.5
Tightening torque range for fixing screw	0.8...1.6 Nm	PEN function	Yes

## Rating data

Rated cross-section	16 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.42 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	2.43 W
Pollution severity	3		

## UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	10 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	10 AWG		

## 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

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**Technical data**

**Environmental Product Compliance**

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

**Approvals**

Approvals



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

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CB Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, EPLAN</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>