

AKE 4**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: 4 mm ² , Screw connection, Direct mounting
Order No.	0380260000
Type	AKE 4
GTIN (EAN)	4008 19005684 1
Qty.	100 pc(s).

Creation date May 20, 2022 1:45:20 PM CEST

Catalogue status 06.05.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	34.5 mm	Depth (inches)	1.358 inch
Height	32 mm	Height (inches)	1.26 inch
Width	7 mm	Width (inches)	0.276 inch
Net weight	5.813 g		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8221U	Certificate No. (IECEX)	IECEXTUR18.0024U
Wire cross section max. (ATEX)	4 mm ²	Wire cross section max. (IECEX)	4 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

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 15	N-function	No
PE function	Yes	PEN function	No

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	when screwed in		

CSA rating data

Certificate No. (CSA)	12400-121	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

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Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.13 mm ²	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	2	Stripping length	9 mm
Tightening torque, max.	1 Nm	Tightening torque, min.	0.5 Nm
Torque level with DMS electric screwdriver	2	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Dimensions

TS 15 offset	16 mm
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General

Installation advice	Direct mounting	Rail	TS 15
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

PE rating data

Rated short-time current	480 A (4 mm ²)	Centre screw on PE terminals	M 3
Tightening torque range for fixing screw	0.5... 1.0 Nm	PEN function	No

Rating data

Rated cross-section	4 mm ²	Rated voltage to adjoining terminal	500 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage to adjacent terminal	6 kV	Power loss in accordance with IEC 60947-7-x	1.02 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Certificate No. (cURus)	E60693
Conductor size Factory wiring max. (UR)	12 AWG	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Conductor size Field wiring max. (UR)	12 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Conductor size Field wiring min. (cURus)	26 AWG

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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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity UKCA Ex Attestation of Conformity ATEX Certificate IECEX Certificate CB Test Certificate CB Certificate EAC certificate EAC EX Certificate CCC Ex Certificate CSA Certificate UKCA Ex Certificate Declaration of Conformity CE Declaration of Conformity all terminals UKCA Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Product Change Notification	PCN_AKZ_20190405 20211111 Color Change of AKE and EK terminals
User Documentation	NTI AKZ 4 NTI AKZ 4 Wemid StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	