

EK 16**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Version	SAK Series, PE terminal, Rated cross-section: 16 mm ² , Screw connection, Green/yellow, Direct mounting
Order No.	0374660000
Type	EK 16
GTIN (EAN)	4008190139889
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	57.5 mm	Depth (inches)	2.264 °C
Height	50 mm	Height (inches)	1.969 °C
Width	12 mm	Width (inches)	0.472 °C
Weight	48.5 g	Net weight	46.6 g

Temperatures

Storage temperature	-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		

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 Nm
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Technical data

Conductors for clamping (rated connection)

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

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 ²)	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 Nm	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.42 °C
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		

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Approvals



ROHS Conform

UL File Number Search E60693

Downloads

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