

**SAK Series
EK 16**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com


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

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

**SAK Series
EK 16**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

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

Temperatures

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	Tightening torque (mounting screw)	0.8...1.6 Nm
Tightening torque (clamping screw for copper conductors)	2...2.4 Nm	End cover plate required	No
Number of potentials	1	Number of levels	1
No. of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Mounting 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	Screwed		

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 ²
---	--------------------

**SAK Series
EK 16**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Conductors for clamping (rated connection)**

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	16 mm ²
Clamping range, rated connection, min.	2.5 mm ²	Clamping screw	M 4
Connection direction	on side	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	16 mm
Tightening torque, max.	2.4 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 with wire-end ferrules DIN 46228/1, rated connection, max.	16 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	4 mm ²	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross section, solid core max. rated connection	16 mm ²	Wire connection cross section, solid core, min. rated connection	2.5 mm ²
Wire connection cross section, stranded, rated connection, max.	16 mm ²	Wire connection cross section, stranded, rated connection, min.	2.5 mm ²
Wire connection cross-section, finely stranded, min.	2.5 mm ²		

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 mm ²	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	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 3.0	EC000901	ETIM 4.0	EC000491
ETIM 5.0	EC000491	ETIM 6.0	EC000901
UNSPSC	30-21-18-11	eClass 5.1	27-14-03-05
eClass 6.2	27-14-03-05	eClass 7.1	27-14-03-05
eClass 8.1	27-14-11-41	eClass 9.0	27-14-11-41
eClass 9.1	27-14-11-41		

Approvals

Approvals



ROHS

Conform

Creation date January 12, 2018 5:29:42 PM CET

Catalogue status 29.12.2017 / We reserve the right to make technical changes.

3

Data sheet**SAK Series
EK 16**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data**Downloads**

Approval/Certificate/Document of Conformity	DE_PT1332_20160418_169_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD

Safety note

Safety notice	Safety Information
---------------	------------------------------------