

**SAK Series**  
**EK 16/35**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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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 16/35
Order No.	<a href="#">0190160000</a>
Version	SAK Series, PE terminal, Rated cross-section: 16 mm <sup>2</sup> , Screw connection, green / yellow
GTIN (EAN)	4008190184131
Qty.	50 pc(s).

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**Technical data****Dimensions and weights**

Width	12 mm	Width (inches)	0.472 inch
Height	56 mm	Height (inches)	2.205 inch
Depth	50 mm	Depth (inches)	1.969 inch
Net weight	41.86 g		

**Temperatures**

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C
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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, closed	Tightening torque (mounting screw)	0.5...1 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 35	N-function	No
PE function	Yes	PEN function	Yes

**Additional technical data**

Explosion-tested version	No	Number of similar terminals	1
Open sides	closed	Type of mounting	Screwed

**CSA rating data**

Certificate No. (CSA)	12400-223	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	16 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.	2.5 mm <sup>2</sup>	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm <sup>2</sup>	Connection cross-section, stranded, min.	2.5 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.	2.4 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, max.	16 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, finely stranded, min.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	2.5 mm <sup>2</sup>		

**PE rating data**

Rated short-time current	1920 A (16 mm <sup>2</sup> )	Centre screw on PE terminals	M 3
Tightening torque range for fixing screw	0.5...1.0 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	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

**Data sheet****SAK Series  
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**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PT1302_20160418_170_ISSUE01.pdf</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
Engineering Data	<a href="#">0190160000_09424_EK_16-35_STP.stp</a> <a href="#">09424_EK_16-35_DXF.dxf</a>

**Safety note**

Safety notice	<a href="#">Safety Information</a>
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