

**SAK Series
EK 16/35**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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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

Type	EK 16/35
Order No.	0190160000
Version	SAK Series, PE terminal, Rated cross-section: 16 mm ² , Screw connection, Green/yellow
GTIN (EAN)	4008190184131
Qty.	50 pc(s).

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Catalogue status 14.08.2020 / We reserve the right to make technical changes.

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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

Storage temperature, max.	55 °C	Storage temperature, min.	-25 °C
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, in closed state	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 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	when screwed in

CSA rating data

Certificate No. (CSA)	12400-223	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	16 AWG		

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

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm ²
Clamping range, min.	4 mm ²	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm ²	Connection cross-section, stranded, min.	4 mm ²
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 ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm ²
Wire connection cross-section, finely stranded, min.	4 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	4 mm ²		

PE rating data

Rated short-time current	1920 A (16 mm ²)	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 ²	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.42 mΩ
Power loss in accordance with IEC 60947-7-x	2.43 W	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 6.0	EC000901	ETIM 7.0	EC000901
eClass 9.0	27-14-11-41	eClass 9.1	27-14-11-41
eClass 10.0	27-14-11-41	UNSPSC	30-21-18-11

Approvals

Approvals



ROHS

Conform

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

Approval/Certificate/Document of Conformity	CB Certificate CB Test Certificate EAC certificate DE_PT1302_20160418_170_ISSUE01.pdf Declaration of Conformity Terminals
Engineering Data	EPLAN_WSCAD
Engineering Data	09424_EK_16-35_DXF.dxf STEP
User Documentation	StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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