

**SAK Series  
EK 4/35**

**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 4/35
Order No.	<a href="#">0661160000</a>
Version	SAK Series, PE terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, Green/yellow, Direct mounting
GTIN (EAN)	4008190038823
Qty.	100 pc(s).

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Catalogue status 28.08.2020 / We reserve the right to make technical changes.

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

Width	6.5 mm	Width (inches)	0.256 inch
Height	56.5 mm	Height (inches)	2.224 inch
Depth	44 mm	Depth (inches)	1.732 inch
Net weight	21.27 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		

**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	No

**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)	12400-235	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

**Conductors for clamping (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm <sup>2</sup>
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**Technical data****Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm <sup>2</sup>
Clamping range, min.	0.33 mm <sup>2</sup>	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A4
Number of connections	1	Stripping length	12 mm
Tightening torque, max.	1 Nm	Tightening torque, min.	0.5 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 14
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>		

**PE rating data**

Rated short-time current	720 A (6 mm <sup>2</sup> )	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 <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1 mΩ
Power loss in accordance with IEC 60947-7-x	1.02 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)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 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



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