

**SAK Series  
EK 6/35**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
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 6/35
Order No.	<a href="#">0661260000</a>
Version	SAK Series, PE terminal, Rated cross-section: 6 mm <sup>2</sup> , Screw connection, green / yellow
GTIN (EAN)	4008190096588
Qty.	100 pc(s).

**SAK Series  
EK 6/35**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 1429-0  
 Fax: +49 5231 14292083  
 www.weidmueller.com

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

Width	8 mm	Width (inches)	0.315 inch
Height	56.5 mm	Height (inches)	2.224 inch
Depth	44 mm	Depth (inches)	1.732 inch
Net weight	24.43 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, closed	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	No

**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)	12400-234	Wire cross section max. (CSA)	8 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.	6 mm <sup>2</sup>
---	-------------------

**SAK Series**  
**EK 6/35**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 1429-0  
 Fax: +49 5231 14292083  
 www.weidmueller.com

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

Blade size	4.0 x 0.8 mm	Clamping range, rated connection, max.	10 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Clamping screw	M 3.5
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	1.2 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	6 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	10 mm <sup>2</sup>	Wire connection cross section, solid core, min. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	6 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded, 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	6 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.78 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)	8 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 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		

**Product information**

Descriptive text technical data	Tightening torque for AWG 8-7 and AWG 8-19 is 1.2 - 1.4 Nm
---------------------------------	--

**Data sheet****SAK Series  
EK 6/35****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity[DE\\_PT1302\\_20160418\\_179\\_ISSUE01.pdf](#)

Engineering Data

[EPLAN\\_WSCAD](#)

Engineering Data

[0661260000\\_07482\\_EK\\_6-35\\_STP.stp](#)**Safety note**

Safety notice

[Safety Information](#)