

**SAK Series  
EK 35/35**

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



The PE terminals are available with rated cross-sections from 1.5 mm<sup>2</sup> to 150 mm<sup>2</sup>.

**General ordering data**

Type	EK 35/35
Order No.	<a href="#">0661460000</a>
Version	SAK Series, PE terminal, Rated cross-section: 35 mm <sup>2</sup> , Screw connection, PA 66, green / yellow
GTIN (EAN)	4008190147600
Qty.	20 pc(s).

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## Technische Daten

### Dimensions and weights

Length	58 mm	Width	16 mm
Height	60 mm	Height of lowest version	60 mm
Net weight	89.75 g		

### Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

### Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	closed	Type of mounting	Screwed
Version	Screw connection, With PE connection, closed		

### CSA ratings data

Certificate No. (CSA)	12400-127	Voltage size C (CSA)	600 V
Current size C (CSA)	145 A	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	6 AWG		

### Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	10 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	35 mm <sup>2</sup>
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### Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	20 mm
Blade size	6.5 x 1.2 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	6 mm <sup>2</sup>
Clamping range, rated connection, max.	50 mm <sup>2</sup>	Clamping screw	M 6
Tightening torque, min.	4 Nm	Tightening torque, max.	6 Nm
Gauge to IEC 60947-1	B9	Wire connection cross section, solid core, max. rated connection	6 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	16 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	50 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	10 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	10 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	35 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 8
Wire connection cross section AWG, max.	AWG 2		

### Dimensions

TS 15 offset	22 mm
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**Rated data**

Rated cross-section	35 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Rated impulse withstand voltage to adjacent terminal	8 kV	Standards	IEC 60947-7-2
Pollution severity	3		

**UL ratings data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	2 AWG
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	2 AWG

**Material data**

Insulating material	PA 66	Material	PA 66
Colour	Yellow, Green	UL 94 flammability rating	V-2

**System specifications**

Product family	SAK Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	No		

**Classifications**

ETIM 3.0	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		

**Product information**

Descriptive text technical data	Use the TS 35x15/2.3 for 35 - 50 mm <sup>2</sup> conductors. For AWG 2/7 and H07V-R50, torque is 6 Nm.
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**Approvals**

Approvals



ROHS	Conform
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**Downloads**

STEP	<a href="#">0661460000_07299_EK35_STP.stp</a>
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