

## Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)  
[0190160000](#)

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**General ordering data**

Order No.	0190160000
Part designation	EK 16/35
Version	Earth terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 35
EAN	4008190184131
Qty.	50 pc(s).

**Additional technical data**

Colour of insulating material	green/yellow
Connection direction	on side
End plate required	No
Explosion-tested version "Ex e"	No
Installation advice	TS 35
Insulating material	PA 66
Levels cross-connected internally	No
No. of identical terminals	1
No. of levels	1
No. of terminal strips per level	2
Open sides	closed
Operating temperature range	- 50 °C, + 100 °C
Product family	SAK Series
Type of connection	Screwed
Type of mounting	Screwed
UL 94 flammability rating of insulation material	V2
Version	PE terminal

**CSA rating data**

Min. cross-section (CSA)	AWG 10
Max. cross-section (CSA)	AWG 4

**Conductors for clamping (additional connection)**

Flexible with ferrule, min. (DIN 46228 pt 1)	4 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	16 mm <sup>2</sup>

**Conductors for clamping (rated connection)**

Clamping range, min.	2.5 mm <sup>2</sup>
Clamping range, max.	16 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed

**Conductors for clamping (rated connection)**

Connection direction	on side
No. of connections	2
Stripping length	16 mm
Clamping screw	M 4
Blade size	1.0 x 5.5 mm
Tightening torque range	2.0...4.0 Nm
Gauge to IEC 60947-1	B6
Solid, min.	2.5 mm <sup>2</sup>
Solid, max.	16 mm <sup>2</sup>
Stranded, min.	2.5 mm <sup>2</sup>
Stranded, max.	16 mm <sup>2</sup>
Flexible, min.	2.5 mm <sup>2</sup>
Flexible, max.	16 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	4 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	16 mm <sup>2</sup>
AWG conductor size, min.	AWG 12
AWG conductor size, max.	AWG 6
AWG conductor size, min.	3.31 mm <sup>2</sup>
AWG conductor size, max.	13.3 mm <sup>2</sup>

**Dimensions**

Width	12 mm
Height of lowest version	50 mm
Length	56 mm
TS 32 offset	8 mm
TS 35 offset	28 mm

**PE rating data**

Centre screw on PE terminals	M 3
PEN function	Yes
Pollution severity	3
Rated cross-section	16 mm <sup>2</sup>
Rated impulse withstand voltage to adjacent terminal	8 kV
Rated short-time current	1920 A (16 mm <sup>2</sup> )
Rated voltage for adjacent terminal	800 V
Standards	IEC 60947-7-2
Tightening torque range for fixing screw	0.5...1.0 Nm

**Rating data**

Rated cross-section	16 mm <sup>2</sup>
Standards	IEC 60947-7-2
Pollution severity	3

**UL rating data**

Min. cross-section (UL)	AWG 10
Max. cross-section (UL)	AWG 6

### Approvals

Approvals institutes



### Downloads

DXF	09424_EK_16-35_DXF.dxf
STEP	0190160000_09424_EK_16-35_STP.stp

### Classifications

ETIM 2.0	EC000901
ETIM 3.0	EC000901
eClass 4.1	27-14-03-05
eClass 5.0	27-14-03-05
eClass 5.1	27-14-03-05

### Similar products

Order No.	Part designation	Version
0661060000	EK 2.5/35	Earth terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 35
0661160000	EK 4/35	Earth terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 35
0661260000	EK 6/35	Earth terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 35
0661360000	EK 10/35	Earth terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 35
0661460000	EK 35/35	Earth terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 35
1338300000	EK 70/35/M.2ZB O.IK	Earth terminal, 70 mm <sup>2</sup> , Screw connection, green/yellow, TS 35
0535300000	EK 95/35/1ZB BK	Earth terminal, 95 mm <sup>2</sup> , Screw connection, green/yellow, TS 35
0535400000	EK 95/35/2ZB BK	Earth terminal, 95 mm <sup>2</sup> , Screw connection, TS 35