

EK 10



General ordering data

Order No.	0354660000
Part designation	EK 10
Version	Earth terminal, 10 mm ² , Screw connection, PA 66, green/yellow, TS 32
EAN	4008190069827

Product notes

Note, ordering data	???l8fqU0l???
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PT OKIECEx/ATEX rating data

EU-type examination certificate	KEMA97ATEX1798U
Download, German	KEMA97ATEX1798U_d.pdf
Download English	KEMA97ATEX1798U_e.pdf
IECEx Certificate of Conformity	IECExKEM06.0014U
ATEX conductor cross-section	10 mm ²
IECEx conductor cross-section	10 mm ²
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEx-Certificate of Conformity
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

Additional technical data

Colour of insulating material	green/yellow
Connection direction	on side
End plate required	No
Explosion-tested version "Ex e"	Yes

Installation advice	TS 32
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 14
Max. cross-section (CSA)	AWG 6

Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	10 mm ²

Conductors for clamping (rated connection)

Clamping range, min.	0.5 mm ²
Clamping range, max.	10 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	12 mm
Clamping screw	M 4
Blade size	1.0 x 5.5 mm
Tightening torque range	1.2...1.6 Nm
Gauge to IEC 60947-1	B6
Solid, min.	0.5 mm ²
Solid, max.	10 mm ²

Stranded, min.	1.5 mm ²
Stranded, max.	6 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	10 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	10 mm ²
AWG conductor size, min.	AWG 20
AWG conductor size, max.	AWG 8
AWG conductor size, min.	0.52 mm ²
AWG conductor size, max.	8.37 mm ²

Dimensions

Width	10 mm
Height of lowest version	51.5 mm
Length	40 mm
Weight	28.64 g
TS 32 offset	20 mm

PE rating data

Centre screw on PE terminals	M 3
PEN function	No
Pollution severity	3
Rated cross-section	10 mm ²
Rated impulse withstand voltage to adjacent terminal	8 kV
Rated short-time current	720 A (6 mm ²)
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	10 mm ²
Standards	IEC 60947-7-2
Pollution severity	3

UL rating data

Min. cross-section (UL)	AWG 14
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Max. cross-section (UL)

AWG 6

Approvals

Approvals institutes



Classifications

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	
▶ 0374660000	EK 16	Earth terminal, 16 mm ² , Screw connection, PA 66, green/yellow, TS 32	▶
▶ 0323100000	EK 2	Earth terminal, 10 mm ² , Screw connection, PA 66, TS 32	▶
▶ 0474360000	EK 2.5N	Earth terminal, 2.5 mm ² , Screw connection, Polyamide, green/yellow, TS 32	▶
▶ 0354760000	EK 35	Earth terminal, 35 mm ² , Screw connection, PA 66, green/yellow, TS 32	▶
▶ 0354560000	EK 4	Earth terminal, 4 mm ² , Screw connection, PA 66, green/yellow, TS 32	▶
▶ 0144400000	SAKE 35	Earth terminal, 35 mm ² , Screw connection, TS 32	▶
▶ 0213200000	SAKE 70/32	Earth terminal, 70 mm ² , Screw connection, TS 32	▶