



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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#### General ordering data

Order No.	0474360000
Part designation	EK 2.5N
Version	Earth terminal, 2.5 mm <sup>2</sup> , Screw connection, Polyamide, green/yellow, TS 32
EAN	4008190146177
Qty.	100 pc(s).

#### PT OKIECEEx/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	2.5 mm <sup>2</sup>
IECEX conductor cross-section	2.5 mm <sup>2</sup>
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	Yes
Explosion-tested version "Ex e"	Yes
Installation advice	TS 32
Insulating material	Polyamide
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

#### Additional technical data

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 26
Max. cross-section (CSA)	AWG 10

#### Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

Clamping range, min.	0.33 mm <sup>2</sup>
Clamping range, max.	4 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	10 mm
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Tightening torque range	0.4...0.8 Nm
Gauge to IEC 60947-1	A3
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	4 mm <sup>2</sup>
Stranded, min.	0.5 mm <sup>2</sup>
Stranded, max.	2.5 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	4 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	2.5 mm <sup>2</sup>
AWG conductor size, min.	AWG 22
AWG conductor size, max.	AWG 14
AWG conductor size, min.	0.33 mm <sup>2</sup>
AWG conductor size, max.	2.08 mm <sup>2</sup>

#### Dimensions

Width	6 mm
Height of lowest version	46.5 mm
Length	36.5 mm
Weight	16.22 g
TS 32 offset	18.5 mm

#### PE rating data

Centre screw on PE terminals	M 3
PEN function	No
Pollution severity	3

#### PE rating data

Rated cross-section	2.5 mm <sup>2</sup>
Rated impulse withstand voltage to adjacent terminal	8 kV
Rated short-time current	300 A (2.5 mm <sup>2</sup> )
Rated voltage for adjacent terminal	800 V
Standards	IEC 60947-7-2
Tightening torque range for fixing screw	0.5...0.8 Nm

#### Rating data

Rated cross-section	2.5 mm <sup>2</sup>
Standards	IEC 60947-7-2
Pollution severity	3

#### UL rating data

Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 12

#### Approvals

Approvals institutes



#### 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
0354660000	EK 10	Earth terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 32
0374660000	EK 16	Earth terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 32
0323100000	EK 2	Earth terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, TS 32
0354760000	EK 35	Earth terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 32
0354560000	EK 4	Earth terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, green/yellow, TS 32
0144400000	SAKE 35	Earth terminal, 35 mm <sup>2</sup> , Screw connection, TS 32
0213200000	SAKE 70/32	Earth terminal, 70 mm <sup>2</sup> , Screw connection, TS 32