

# UISLKG 16-1 - Installation protective conductor terminal block

3001789

<https://www.phoenixcontact.com/us/products/3001789>

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Installation protective conductor terminal block, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 16 mm<sup>2</sup>, cross section: 2.5 mm<sup>2</sup> - 25 mm<sup>2</sup>, mounting method: PE foot with mounting screw, M4, mounting type: NS 35/15-2,3, color: green-yellow

## Commercial data

Item number	3001789
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE12
Product key	BE1251
GTIN	4017918089993
Weight per piece (including packing)	37.6 g
Weight per piece (excluding packing)	36.057 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

Product type	Ground terminal block
Number of positions	1
Number of connections	2
Number of rows	1

### Insulation characteristics

Overvoltage category	III
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### Electrical properties

Rated surge voltage	6 kV
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### Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	16 mm <sup>2</sup>

### Level 1 above 1 below 1

Connection method	Screw connection
Screw thread	M4
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	1.5 ... 1.8 Nm
Stripping length	11 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross-section rigid	2.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section AWG	12 ... 3 (converted acc. to IEC)
Conductor cross-section flexible	4 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	12 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Nominal cross section	16 mm <sup>2</sup>

### Dimensions

Width	12 mm
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### Material specifications

Color	green-yellow
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-40 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C

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Relative insulation material temperature index (Elec., UL 746 B)	125 °C
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## Mechanical properties

### General

Terminal block mounting	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)
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### Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-2
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## Mounting

Mounting type	NS 35/15-2,3
Terminal block mounting	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)

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## Drawings

Circuit diagram



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## Classifications

### UNSPSC

UNSPSC 21.0	39121410
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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