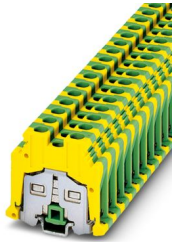


# MSLKG 6 - Protective conductor terminal block

1410505

<https://www.phoenixcontact.com/us/products/1410505>

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Protective conductor terminal block, When aligned with a feed-through terminal block of the same shape, a partition plate must be used for insulation voltages > 250 V, number of connections: 2, connection method: Screw connection, 1 level, cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, mounting method: PE foot with mounting screw, M4, mounting type: NS 15, color: green-yellow

## Your advantages

- If the mini ground terminal blocks are at the end of a terminal strip, an end bracket, e.g., E/MK, should be used
- The green-yellow housing clearly indicates the protective conductor function of the terminal block
- These miniature ground terminals were designed specifically for the 15 mm DIN rail (NS 15) in accordance with EN 60715
- The mini ground terminal blocks are electrically connected to the DIN rail via their foot elements, which means that the DIN rail can be used as a grounding busbar

## Commercial data

Item number	1410505
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1261
GTIN	4017918021085
Weight per piece (including packing)	17.24 g
Weight per piece (excluding packing)	17.24 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Product properties

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

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.31 W

### Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	6 mm <sup>2</sup>

#### 1 level

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	10 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-2
Conductor cross-section rigid	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>

### Dimensions

Width	8.2 mm
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### Material specifications

Color	green-yellow
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA
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 ... 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % ... 70 %

## Standards and regulations

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

Mounting type	NS 15
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

### ECLASS

ECLASS-13.0

27250103

### ETIM

ETIM 9.0

EC000901

### UNSPSC

UNSPSC 21.0

39121400

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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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