

MSLKG 6 - Ground terminal

1410505

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



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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	0112*
Product key	BE1261
Catalog page	Page 559 (C-1-2019)
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

Notes

General	When aligned with a feed-through terminal block of the same shape, a partition plate must be used for insulation voltages > 250 V
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Product properties

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

Insulation characteristics

Overtension category	III
Degree of pollution	3

Electrical properties

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

Connection data

Number of connections per level	2
Nominal cross section	6 mm ²

1 level

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 ² ... 10 mm ²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²

Ex data

Rated data (ATEX/IECEx)	
Identification	Ex II 2 G Ex eb IIC Gb
Operating temperature range	-60 °C ... 105 °C
Ex-certified accessories	1205066 SZS 1,0X4,0 VDE 1421633 E/MK
Torque range for PE foot	1.5 Nm ... 1.8 Nm

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output	(Permanent)
Ex connection data General	
Torque range	1.5 Nm ... 1.8 Nm
Nominal cross section	6 mm ²
Rated cross section AWG	10
Connection capacity rigid	0.5 mm ² ... 10 mm ²
Connection capacity AWG	20 ... 8
Connection capacity flexible	0.5 mm ² ... 6 mm ²
Connection capacity AWG	20 ... 10

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

Mechanical properties

General	
Terminal block mounting	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)
Mechanical data	
Open side panel	No

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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Approvals

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		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B		300 V	50 A	18 - 8	-
Use group C		300 V	50 A	18 - 8	-
Use group D		300 V	10 A	18 - 8	-

		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B		-	-	26 - 8	-
Use group C		-	-	26 - 8	-

		ATEX	Approval ID: KEMA 01ATEX2134U

		IECEx	Approval ID: IECEx KEM 07.0008U

		CCC	Approval ID: 2020322313000629

		EAC Ex	Approval ID: KZ 7500525010101950

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Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250103

ETIM

ETIM 9.0	EC000901
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfils 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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