MSLKG 5 - Ground terminal

0452014

https://www.phoenixcontact.com/us/products/0452014

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Ground terminal, 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: 0.2 mm^2 - 4 mm^2, mounting: PE foot with mounting screw, M3, mounting type: NS 15, color: green-yellow

Commercial data

Item number	0452014
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1261
Catalog page	Page 523 (CL1-2011)
GTIN	4017918002367
Weight per piece (including packing)	12.445 g
Weight per piece (excluding packing)	12.445 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

Product properties

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

Data management status

Article revision	16

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	4 mm²

1 level

Screw thread	M3
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.6 ... 0.8 Nm
Stripping length	8 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.2 mm² ... 4 mm²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² ... 4 mm²
Conductor cross section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² ... 2.5 mm²

Dimensions

Width	8.2 mm

Material specifications

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

Mechanical properties

General

Terminal block mounting	0.6 Nm ... 0.8 Nm (PE foot with mounting screw, M3)

Mechanical data

Open side panel	No

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

Mounting

Mounting type	NS 15
Terminal block mounting	0.6 Nm ... 0.8 Nm (PE foot with mounting screw, M3)

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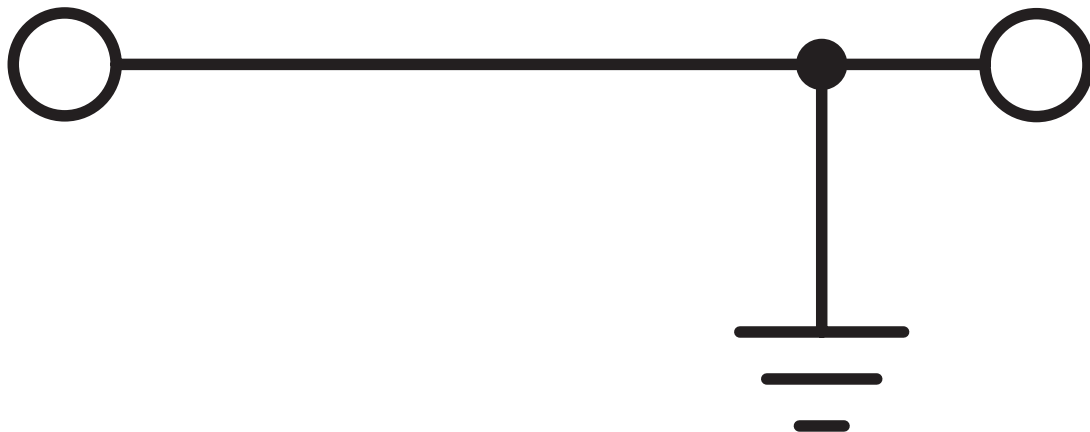
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Drawings

Circuit diagram

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/0452014

CSA
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	28 - 10	-

UL Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	-	-	26 - 10	-
Use group C				
	-	-	26 - 10	-

EAC Ex
Approval ID: RU C-DE.HA91.B.00066

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Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250103

ETIM

ETIM 9.0	EC000901

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

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

EU REACH SVHC

REACH candidate substance (CAS No.)	4-Nonylphenol, branched and linear(CAS: n/a)
SCIP	bda89ecf-6586-46ab-a888-d7e558a25a01

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Accessories

BN-ZB 7,5/WH CUS - Marker pin Zack strip

0824278

https://www.phoenixcontact.com/us/products/0824278

Marker pin Zack strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: plug in, for terminal block width: 7.5 mm, lettering field size: 6 x 4 mm

ATP-MBK - Partition plate

1413227

https://www.phoenixcontact.com/us/products/1413227

Partition plate, depth: 30.5 mm, width: 2.5 mm, height: 42.5 mm, color: gray

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SF-SL 0,6X3,5-100 S-VDE - Screwdriver

1212587

https://www.phoenixcontact.com/us/products/1212587

Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

NS 15 UNPERF 2000MM VPE 10 - DIN rail, unperforated

1401695

https://www.phoenixcontact.com/us/products/1401695

DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

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NS 15 PERF 2000MM VPE 10 - DIN rail perforated

1401682

https://www.phoenixcontact.com/us/products/1401682

DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 15 AL PERF 2000MM VPE 10 - DIN rail perforated

1401763

https://www.phoenixcontact.com/us/products/1401763

DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

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NS 15 WH PERF 2000MM-VPE 10 - DIN rail perforated

1204096

https://www.phoenixcontact.com/us/products/1204096

DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

CLIPFIX 15 - End bracket

3022263

https://www.phoenixcontact.com/us/products/3022263

Snap-on end bracket, to be snapped onto NS 15 DIN rail

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