MSLKG 6 - Ground terminal

1410505

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

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: 0.5 mm^2 - 10 mm^2, mounting: 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	1 pc
Minimum order quantity	50 pc
Sales key	BE12
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

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

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 mm²

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 mm² ... 10 mm²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² ... 6 mm²
Conductor cross section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 6 mm²

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
output	(Permanent)

Ex connection data General	
Torque range	1.5 Nm ... 1.8 Nm
Nominal cross section	6 mm²
Rated cross section AWG	10
Connection capacity rigid	0.5 mm² ... 10 mm²
Connection capacity AWG	20 ... 8
Connection capacity flexible	0.5 mm² ... 6 mm²
Connection capacity AWG	20 ... 10

Dimensions

Width	8.2 mm

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

Mounting

Mounting type	NS 15

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

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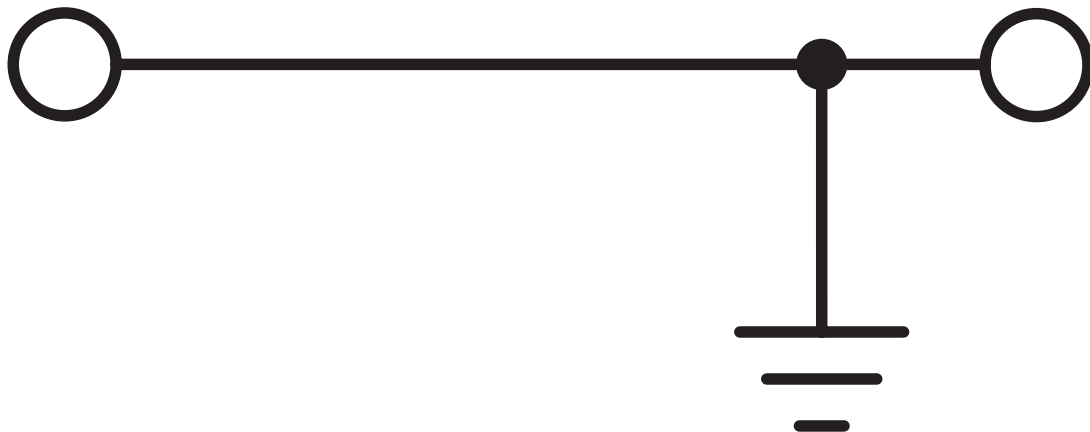
Drawings

Circuit diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1410505

CSA
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	26 - 8	-

cULus Recognized
Approval ID: E60425

	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

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

IECEx
Approval ID: IECEx KEM 07.0008U

CCC
Approval ID: 2020322313000629

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Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250103

ETIM

ETIM 8.0	EC000901

UNSPSC

UNSPSC 21.0	39121400

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Environmental product compliance

REACh SVHC	4-Nonylphenol, branched and linear

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Accessories

SBS 8:UNBEDRUCKT - Marker card

1007235

https://www.phoenixcontact.com/us/products/1007235

Marker card, Card, white, unlabeled, can be labeled with: Marker pen, mounting type: snap into tall marker groove, snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 6 x 8.1 mm

ATP-MBK - Partition plate

1413227

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

Partition plate, length: 42.5 mm, width: 2.5 mm, height: 42.5 mm, color: gray

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SZS 1,0X4,0 VDE - Screwdriver

1205066

https://www.phoenixcontact.com/us/products/1205066

Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 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, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 10 (20 m)

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NS 15 PERF 2000MM VPE 10 - DIN rail perforated

1401682

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

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

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

1401763

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

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

MSLKG 6 - Ground terminal

1410505

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

NS 15 WH PERF 2000MM-VPE 10 - DIN rail perforated
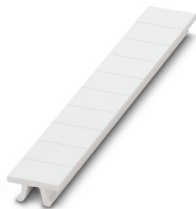
1204096

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

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

ZB 8:UNBEDRUCKT - Zack marker strip

1052002

https://www.phoenixcontact.com/us/products/1052002

Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10
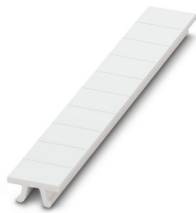
MSLKG 6 - Ground terminal

1410505

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

ZB 8 CUS - Zack marker strip

0825011

https://www.phoenixcontact.com/us/products/0825011

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

UC-TM 8 - Marker for terminal blocks

0818072

https://www.phoenixcontact.com/us/products/0818072

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

MSLKG 6 - Ground terminal

1410505

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

UC-TM 8 CUS - Marker for terminal blocks

0824597

https://www.phoenixcontact.com/us/products/0824597

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

UCT-TM 8 - Marker for terminal blocks

0828740

https://www.phoenixcontact.com/us/products/0828740

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

MSLKG 6 - Ground terminal

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

UCT-TM 8 CUS - Marker for terminal blocks

0829616
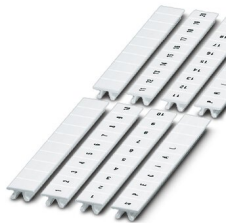
https://www.phoenixcontact.com/us/products/0829616

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

ZB 8,LGS:FORTL.ZAHLEN - Zack marker strip

1052015

https://www.phoenixcontact.com/us/products/1052015

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

MSLKG 6 - Ground terminal

1410505

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

ZB 8,QR:FORTL.ZAHLEN - Zack marker strip

1052028
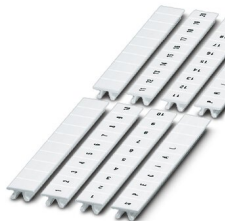
https://www.phoenixcontact.com/us/products/1052028

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10. 5 x 8.15 mm, Number of individual labels: 10

ZB 8,LGS:L1-N,PE - Marker for terminal blocks

1052413

https://www.phoenixcontact.com/us/products/1052413

Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

MSLKG 6 - Ground terminal

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

CLIPFIX 15 - End clamp

3022263

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

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

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