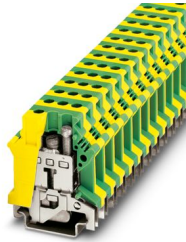


USLKG 16 N - Ground terminal

0443023

<https://www.phoenixcontact.com/pc/products/0443023>

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Ground terminal, When aligning with a feed-through terminal block with the same shape, an end cover must be interposed with insulation voltages of > 690 V, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 16 mm², cross section: 2.5 mm² - 25 mm², mounting: PE foot with mounting screw, M4, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

Commercial data

Item number	0443023
Packing unit	50 pc
Minimum order quantity	1 pc
Product key	BE1221
Catalog page	Page 465 (C-1-2019)
GTIN	4017918002268
Weight per piece (including packing)	39.06 g
Weight per piece (excluding packing)	37.638 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Notes

General	When aligning with a feed-through terminal block with the same shape, an end cover must be interposed with insulation voltages of > 690 V
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Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	2.43 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	16 mm ²

Level 1 above 1 below 1

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 ² ... 25 mm ²
Cross section AWG	12 ... 4 (converted acc. to IEC)
Conductor cross section flexible	4 mm ² ... 16 mm ²
Conductor cross section, flexible [AWG]	10 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm ² ... 16 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	1.5 mm ² ... 16 mm ²
Nominal cross section	16 mm ²

Ex data

Rated data (ATEX/IECEX)

Identification	⊕ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	1205066 SZS 1,0X4,0 VDE

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	1201442 E/UK
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	16 mm ²
Rated cross section AWG	6
Connection capacity rigid	2.5 mm ² ... 25 mm ²
Connection capacity AWG	14 ... 4
Connection capacity flexible	4 mm ² ... 16 mm ²
Connection capacity AWG	12 ... 6

Dimensions

Width	12.2 mm
Height	42.5 mm
Depth on NS 15	52.6 mm
Depth on NS 32	59 mm
Depth on NS 35/7,5	54 mm
Depth on NS 35/15	61.5 mm

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

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 35/7,5
	NS 35/15
	NS 32
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

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/0443023>

DNV

Approval ID: TAE00001CT



CSA

Approval ID: 13631

Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
-	-	22 - 4	-



cULus Recognized

Approval ID: E60425

Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	-	14 - 4	-
Use group C	-	14 - 4	-



LR

Approval ID: LR2041789TA-02



NK

Approval ID: 09 ME 141



ATEX

Approval ID: KEMA99ATEX4487U



cUL Recognized

Approval ID: E192998

Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
-	-	22 - 4	-



EAC Ex

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



IEC Ex

Approval ID: IECExKEM06.0035U

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UL Recognized
Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	22 - 4	-



CCC
Approval ID: 2020322313000623

cULus Recognized

USLKG 16 N - Ground terminal



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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

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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