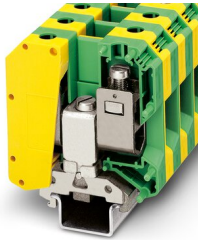


USLKG 50 - Ground terminal

0443049

<https://www.phoenixcontact.com/pc/products/0443049>

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Ground terminal, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 50 mm², cross section: 16 mm² - 50 mm², mounting: PE foot with mounting screw, M6, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

Your advantages

- Reliable cable connection is ensured by three-point centering of the conductor in the prismatic sleeve base
- Low contact resistance of the contact surface due to ribbing
- Screw locking by means of spring-loaded elements in the clamping part

Commercial data

Item number	0443049
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	BE1221
Catalog page	Page 189 (C-1-2019)
GTIN	4017918002282
Weight per piece (including packing)	182.7 g
Weight per piece (excluding packing)	160 g
Customs tariff number	85369010
Country of origin	PL

Technical data

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	4.73 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	50 mm ²

Level 1 above 1 below 1

Screw thread	M6
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	6 ... 8 Nm
Stripping length	24 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	16 mm ² ... 50 mm ²
Cross section AWG	4 ... 2 (converted acc. to IEC)
Conductor cross section flexible	25 mm ² ... 50 mm ²
Conductor cross section, flexible [AWG]	2 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	25 mm ² ... 50 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	25 mm ² ... 50 mm ²
Nominal cross section	50 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	1205082 SZS 1,2X8,0 VDE
	1201659 E/AL-NS 32
	1201662 E/AL-NS 35
Torque range for PE foot	6 Nm ... 8 Nm
output	(Permanent)

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Ex connection data General

Torque range	6 Nm ... 8 Nm
Nominal cross section	50 mm ²
Rated cross section AWG	1/0
Connection capacity rigid	16 mm ² ... 50 mm ²
Connection capacity AWG	6 ... 1/0
Connection capacity flexible	25 mm ² ... 50 mm ²
Connection capacity AWG	4 ... 1/0

Dimensions

Width	20 mm
Height	70.5 mm
Depth on NS 32	81 mm
Depth on NS 35/15	83.5 mm

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V0
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	6 Nm ... 8 Nm (PE foot with mounting screw, M6)
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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