

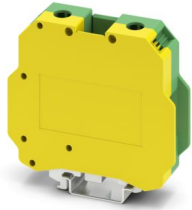
# USLKG 50 - Protective conductor terminal block



0443049

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

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Protective conductor terminal block, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 50 mm<sup>2</sup>, cross section: 16 mm<sup>2</sup> - 50 mm<sup>2</sup>, mounting method: 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	1 pc
Sales key	BE12
Product key	BE1221
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

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## Technical data

### Product properties

Product type	Ground terminal block
Product family	USLKG
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 <sup>2</sup>

### Level 1 above 1 below 1

Connection method	Screw connection
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 <sup>2</sup> ... 50 mm <sup>2</sup>
Cross section AWG	4 ... 2 (converted acc. to IEC)
Conductor cross-section flexible	25 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	2 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	25 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	25 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Nominal cross section	50 mm <sup>2</sup>

### 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

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Torque range for PE foot	6 Nm ... 8 Nm
output	(Permanent)

## Ex connection data General

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

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## 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	6 Nm ... 8 Nm (PE foot with mounting screw, M6)

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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/0443049>

 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
B	600 V	-	6 - 1/0	-
C	600 V	-	6 - 1/0	-
D	600 V	-	6 - 1/0	-


 <b>LR</b> Approval ID: LR2420186TA				
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 <b>ATEX</b> Approval ID: KEMA99ATEX4487U				
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 <b>cUL Recognized</b> Approval ID: E192998				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	-	-	6 - 1/0	-

 <b>EAC Ex</b> Approval ID: KZ 7500525010101950				
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 <b>IECEX</b> Approval ID: IECEXKEM06.0035U				
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 <b>UL Recognized</b> Approval ID: E192998				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	-	-	6 - 1/0	-

 <b>UKCA-EX</b> Approval ID: DEKRA 21UKEX0308U				
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## Classifications

### ECLASS

ECLASS-13.0	27250103
ECLASS-15.0	27250103

### ETIM

ETIM 10.0	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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### EF3.1 Climate Change

CO2e kg	1.911 kg CO2e
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