

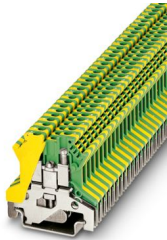
# USLKG 2,5 N - Ground terminal



0441119

<https://www.phoenixcontact.com/pc/products/0441119>

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Ground terminal, number of connections: 2, number of positions: 1, connection method: Screw connection, cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting: PE foot with mounting screw, M2.5, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

## Commercial data

Item number	0441119
Packing unit	50 pc
Minimum order quantity	1 pc
Product key	BE1221
Catalog page	Page 462 (C-1-2019)
GTIN	4017918002183
Weight per piece (including packing)	16.76 g
Weight per piece (excluding packing)	16.04 g
Customs tariff number	85369010
Country of origin	TR

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## 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	0.77 W

### Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	2.5 mm <sup>2</sup>

### Level 1 above 1 below 1

Screw thread	M3
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.6 ... 0.8 Nm
Stripping length	7 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>

### Ex data

#### Rated data (ATEX/IECEx)

Identification	⊕ II 2 GD Ex eb IIC
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	1205053 SZS 0,6X3,5 1201442 E/UK
Torque range for PE foot	0.5 Nm ... 0.6 Nm
output	(Permanent)

#### Ex connection data General

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Torque range	0.6 Nm ... 0.8 Nm
Nominal cross section	2.5 mm <sup>2</sup>
Rated cross section AWG	14
Connection capacity rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection capacity AWG	24 ... 12
Connection capacity flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection capacity AWG	24 ... 14

## Dimensions

Width	5.2 mm
Height	42.5 mm
Depth on NS 32	52 mm
Depth on NS 35/7,5	47 mm
Depth on NS 35/15	54.5 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)	28 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	0.5 Nm ... 0.6 Nm (PE foot with mounting screw, M2.5)
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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.)
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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	0.5 Nm ... 0.6 Nm (PE foot with mounting screw, M2.5)

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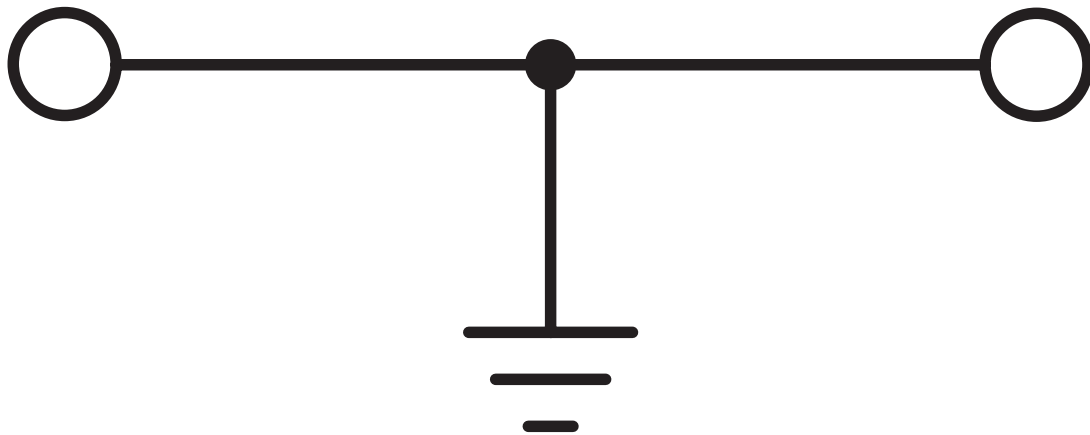
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## Drawings

Circuit diagram



# USLKG 2,5 N - Ground terminal



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/0441119>

### DNV

Approval ID: TAE00001CT



### CSA

Approval ID: 13631

Nominal voltage  $U_N$

Nominal current  $I_N$

Cross section AWG

Cross section  $\text{mm}^2$

-

-

24 - 12

-



### IECEE CB Scheme

Approval ID: NL-39729



### EAC

Approval ID: RU C-DE.A\*30.B.01742



### cULus Recognized

Approval ID: E60425

Nominal voltage  $U_N$

Nominal current  $I_N$

Cross section AWG

Cross section  $\text{mm}^2$

Use group B

-

-

24 - 12

-

Use group C

-

-

24 - 12

-



### KEMA-KEUR

Approval ID: 71-130411

Nominal voltage  $U_N$

Nominal current  $I_N$

Cross section AWG

Cross section  $\text{mm}^2$

-

-

-

- 2.5



### LR

Approval ID: LR2041789TA-02



### BV

Approval ID: 07774/E0 BV



### ATEX

Approval ID: KEMA 96ATEX4370 U

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**cUL Recognized**  
Approval ID: FILE E 192998

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	-	-	30 - 12	-



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



**IECEx**  
Approval ID: IECEx KEM 06.0035U



**UL Recognized**  
Approval ID: E192998

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	-	-	30 - 12	-



**CCC**  
Approval ID: 2020322313000623

**cULus Recognized**

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## Classifications

### ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250103

### ETIM

ETIM 8.0	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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