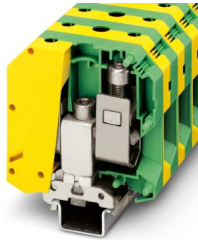


# USLKG 95 - Ground terminal

0441041

<https://www.phoenixcontact.com/ca/products/0441041>

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Ground terminal, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 95 mm<sup>2</sup>, cross section: 25 mm<sup>2</sup> - 95 mm<sup>2</sup>, mounting: PE foot with mounting screw, M8, 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	0441041
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE01
Product key	BE1221
Catalog page	Page 195 (C-1-2019)
GTIN	4017918002145
Weight per piece (including packing)	331.78 g
Weight per piece (excluding packing)	318.1 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	7.54 W

### Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	95 mm <sup>2</sup>

### Level 1 above 1 below 1

Screw thread	M8
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	15 ... 20 Nm
Stripping length	30 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Cross section AWG	2 ... 3/0 (converted acc. to IEC)
Conductor cross section flexible	35 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	1/0 ... 3/0 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	35 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	35 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Nominal cross section	95 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	1201934 VDE-ISS 6
	1201659 E/AL-NS 32
	1201662 E/AL-NS 35
Torque range for PE foot	15 Nm ... 20 Nm
output	(Permanent)

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## Ex connection data General

Torque range	15 Nm ... 20 Nm
Nominal cross section	95 mm <sup>2</sup>
Rated cross section AWG	3/0
Connection capacity rigid	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Connection capacity AWG	4 ... 3/0
Connection capacity flexible	35 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Connection capacity AWG	2 ... 3/0

## Dimensions

Width	25 mm
Height	83 mm
Depth on NS 32	95 mm
Depth on NS 35/7,5	90 mm
Depth on NS 35/15	97.5 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	15 Nm ... 20 Nm (PE foot with mounting screw, M8)
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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

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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	15 Nm ... 20 Nm (PE foot with mounting screw, M8)

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## Drawings

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/0441041>

### DNV

Approval ID: TAE00001CT



### CSA

Approval ID: 13631

Nominal voltage  $U_N$

Nominal current  $I_N$

Cross section AWG

Cross section  $\text{mm}^2$

-

-

2 - 4/0

-



### cULus Recognized

Approval ID: E60425

Nominal voltage  $U_N$

Nominal current  $I_N$

Cross section AWG

Cross section  $\text{mm}^2$

Use group B

-

-

2 - 4/0

-

Use group C

-

-

2 - 4/0

-



### LR

Approval ID: LR2041789TA-02



### ATEX

Approval ID: KEMA99ATEX4487U



### cUL Recognized

Approval ID: E192998

Nominal voltage  $U_N$

Nominal current  $I_N$

Cross section AWG

Cross section  $\text{mm}^2$

-

-

2 - 4/0

-



### EAC Ex

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



### IECEX

Approval ID: IECEXKEM06.0035U



### UL Recognized

Approval ID: E192998

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	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	-	-	2 - 4/0	-



**CCC**

Approval ID: 2020322313000623



**UKCA-EX**

Approval ID: DEKRA 21UKEX0308U

**cULus Recognized**

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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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