

# USLKG 35 N - Ground terminal



3074143

<https://www.phoenixcontact.com/us/products/3074143>

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Ground terminal, number of connections: 2, connection method: Screw connection, Rated cross section: 35 mm<sup>2</sup>, cross section: 10 mm<sup>2</sup> - 35 mm<sup>2</sup>, mounting: PE foot with mounting screw, M5, mounting type: NS 35/7,5, NS 35/15, color: green-yellow

## Commercial data

Item number	3074143
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE12
Product key	BE1221
Catalog page	Page 465 (C-1-2019)
GTIN	4046356347303
Weight per piece (including packing)	79.84 g
Weight per piece (excluding packing)	79.4 g
Customs tariff number	85369010
Country of origin	CN

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## Technical data

### Product properties

Product type	Ground terminal block
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	4.06 W

### Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	35 mm <sup>2</sup>

### Level 1 above 1 below 1

Screw thread	M6
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	3.2 ... 3.7 Nm
Stripping length	16 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	10 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Cross section AWG	8 ... 2 (converted acc. to IEC)
Conductor cross section flexible	10 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	8 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	10 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Nominal cross section	35 mm <sup>2</sup>

### Dimensions

Width	16 mm
Height	53.4 mm
Depth on NS 35/7,5	62 mm
Depth on NS 35/15	69.5 mm

### Material specifications

Color	green-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

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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	2.5 Nm ... 3 Nm (PE foot with mounting screw, M5)
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### Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	1.857 (m/s <sup>2</sup> )/Hz
Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

### Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

### 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)

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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

Mounting type	NS 35/7,5
	NS 35/15
Terminal block mounting	2.5 Nm ... 3 Nm (PE foot with mounting screw, M5)

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3074143>



**EAC**

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



**EAC**

Approval ID: RU C-DE.BL08.B.00534



**cULus Recognized**

Approval ID: E60425

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	-	-	8 - 2	-
Use group C	-	-	8 - 2	-
Use group D	-	-	8 - 2	-



**CSA**

Approval ID: 13631

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	-	-	8 - 2	-

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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

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
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