

USLKG 35-1 - Ground terminal



0449014

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Ground terminal, Use an NS 35/15-2.3 copper DIN rail for connection cross sections $\geq 35 \text{ mm}^2/2 \text{ AWG}$. When aligning with a feed-through terminal block of the same shape, a cover must be used for insulation voltages $> 690 \text{ V.}$, number of connections: 2, number of positions: 1, connection method: Screw connection, cross section: $0.75 \text{ mm}^2 - 50 \text{ mm}^2$, mounting method: PE foot with mounting screw, M5, mounting type: NS 35/15-2,3, color: green-yellow

Commercial data

Item number	0449014
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	0102*
Product key	BE1221
Catalog page	Page 219 (CL-2005)
GTIN	4017918002350
Weight per piece (including packing)	89.124 g
Weight per piece (excluding packing)	84.668 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Notes

General	Use an NS 35/15-2.3 copper DIN rail for connection cross sections $\geq 35 \text{ mm}^2/2 \text{ AWG}$. When aligning with a feed-through terminal block of the same shape, a cover must be used for insulation voltages $> 690 \text{ V}$.
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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 W

Connection data

Number of connections per level	2
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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	15 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.75 mm ² ... 50 mm ²
Cross section AWG	18 ... 2 (converted acc. to IEC)
Conductor cross section flexible	0.75 mm ² ... 35 mm ²
Conductor cross section, flexible [AWG]	18 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm ² ... 35 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.75 mm ² ... 35 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	1205079 SZS 1,0X6,5 VDE 1201442 E/UK
Torque range for PE foot	2.5 Nm ... 3 Nm

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output	(Permanent)
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Ex connection data General

Torque range	3.2 Nm ... 3.7 Nm
Nominal cross section	35 mm ²
Rated cross section AWG	2
Connection capacity rigid	0.75 mm ² ... 50 mm ²
Connection capacity AWG	18 ... 1/0
Connection capacity flexible	0.75 mm ² ... 35 mm ²
Connection capacity AWG	18 ... 2

Dimensions

Width	15.2 mm
Height	50 mm
Depth on NS 32	67 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
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °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)	27,5 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

Ambient conditions

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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

Connection in acc. with standard	IEC 60947-7-2
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Mounting

Mounting type	NS 35/15-2,3
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/sg/products/0449014>

 CSA Approval ID: 13631				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	-	-	18 - 2	-

 cULus Recognized Approval ID: E60425				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Use group B				
	-	-	18 - 1/0	-
Use group C				
	-	-	18 - 1/0	-

 ATEX Approval ID: KEMA01ATEX2046U				
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 EAC Ex Approval ID: KZ 7500525010101950				
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 IECEx Approval ID: IECExKEM06.0035U				
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 CCC Approval ID: 2020322313000623				
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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
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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PHOENIX CONTACT SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg