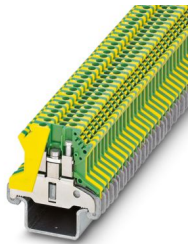


USLKG 2,5 N-1 - Ground terminal



0443081
<https://www.phoenixcontact.com/pc/products/0443081>

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Ground terminal, number of connections: 2, number of positions: 1, connection method: Screw connection, cross section: 0.2 mm² - 4 mm², mounting: PE foot with mounting screw, M2.5, mounting type: NS 35/15-2,3, color: green-yellow

Commercial data

Item number	0443081
Packing unit	50 pc
Minimum order quantity	1 pc
Product key	BE1221
Catalog page	Page 462 (C-1-2019)
GTIN	4017918155216
Weight per piece (including packing)	18.2 g
Weight per piece (excluding packing)	17.6 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
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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 ²

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 ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 1.5 mm ²

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

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

Dimensions

Width	5.2 mm
Height	42.5 mm
Depth on NS 35/7,5	42 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.)
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

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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	0.5 Nm ... 0.6 Nm (PE foot with mounting screw, M2.5)

USLKG 2,5 N-1 - Ground terminal

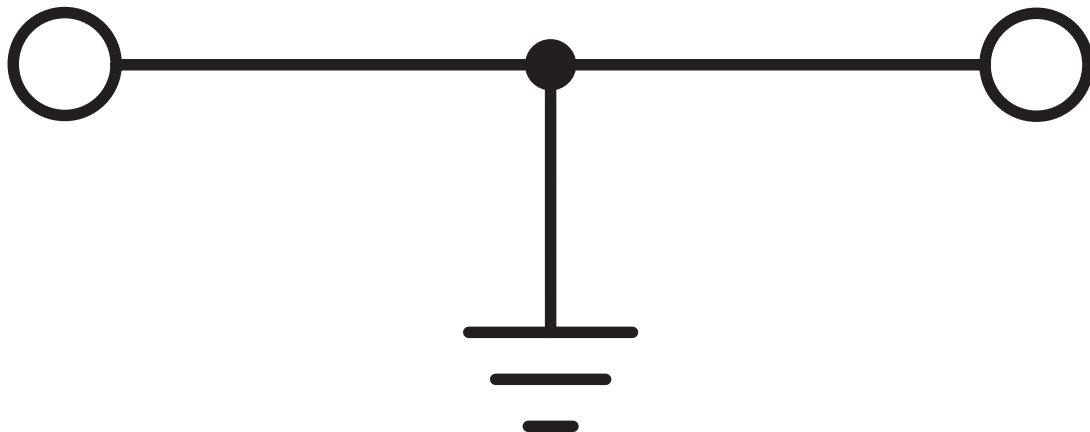


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Drawings

Circuit diagram



USLKG 2,5 N-1 - Ground terminal



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/0443081>



EAC

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



CSA

Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	24 - 12	-



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	-	-	24 - 12	-
Use group C				
	-	-	24 - 12	-



ATEX

Approval ID: KEMA 96ATEX4370 U



EAC Ex

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



CCC

Approval ID: 2020322313000623



IECEx

Approval ID: IECEx KEM 06.0035U

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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
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 GmbH & Co. KG
Flachmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com