

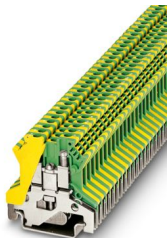
USLKG 1,5 N - Ground terminal



3005853

<https://www.phoenixcontact.com/us/products/3005853>

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Ground terminal, number of connections: 2, number of positions: 1, connection method: Screw connection, cross section: 0.14 mm² - 1.5 mm², mounting: PE foot with mounting screw, M2, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

Commercial data

Item number	3005853
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1221
Catalog page	Page 462 (C-1-2019)
GTIN	4017918138929
Weight per piece (including packing)	12.86 g
Weight per piece (excluding packing)	12.65 g
Customs tariff number	85369010
Country of origin	PL

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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

Data management status

Article revision	11
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	1.5 mm ²

Level 1 above 1 below 1

Screw thread	M2
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.22 ... 0.25 Nm
Stripping length	7 mm
Internal cylindrical gage	A1
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.14 mm ² ... 1.5 mm ²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 0.75 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 0.75 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	1205037 SZS 0,4X2,5 VDE 1201442 E/UK

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Torque range for PE foot	0.22 Nm ... 0.25 Nm
output	(Permanent)

Ex connection data General

Torque range	0.22 Nm ... 0.25 Nm
Nominal cross section	1.5 mm ²
Rated cross section AWG	16
Connection capacity rigid	0.14 mm ² ... 1.5 mm ²
Connection capacity AWG	26 ... 16
Connection capacity flexible	0.14 mm ² ... 1.5 mm ²
Connection capacity AWG	26 ... 16

Dimensions

Width	4.2 mm
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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	0.22 Nm ... 0.25 Nm (PE foot with mounting screw, M2)
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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	0.22 Nm ... 0.25 Nm (PE foot with mounting screw, M2)

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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3005853>

DNV

Approval ID: TAE00001CT



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	-	-	26 - 14	-
Use group C	-	-	26 - 14	-



LR

Approval ID: LR2041789TA-02



BV

Approval ID: 07774/E0 BV



ATEX

Approval ID: KEMA99ATEX4487U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Type examination certificate	-	-	-	0.14 - 1.5



cUL Recognized

Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	30 - 14	-



EAC Ex

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



IECEX

Approval ID: IECEXKEM06.0035U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	-	0.14 - 1.5

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	UL Recognized			
	Approval ID: E192998			
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
		-	-	30 - 14
				Cross section mm^2
				-

	CCC
	Approval ID: 2020322313000623

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
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	89d31df2-5656-4ec5-9e20-6af9ece6f135

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com