

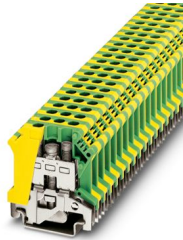
USLKG 10 - Ground terminal



0442011

<https://www.phoenixcontact.com/pc/products/0442011>

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Ground terminal block with screw connection, cross section: 0.5 ... 6 mm², AWG: 20 ... 8, width: 8.2 mm, color: green...yellow

Commercial data

Item number	0442011
Packing unit	50 pc
Minimum order quantity	1 pc
Product key	BE1221
GTIN	4017918002237
Weight per piece (including packing)	29.93 g
Weight per piece (excluding packing)	29.088 g
Customs tariff number	85369010
Country of origin	DE

USLKG 10 - Ground terminal



0442011

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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
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.82 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	10 mm ²

Level 1 above 1 below 1

Screw thread	M4
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	1.5 ... 1.8 Nm
Stripping length	10 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²
Nominal cross section	10 mm ²
Connection in acc. with standard	UL
Cross section AWG	26 ... 4 (converted acc. to IEC)
Connection in acc. with standard	CSA
Cross section AWG	26 ... 8 (converted acc. to IEC)
Connection in acc. with standard	CUL
Cross section AWG	26 ... 8 (converted acc. to IEC)

Dimensions

Width	8.2 mm
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USLKG 10 - Ground terminal



0442011

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Height	42.5 mm
Depth on NS 32	52 mm
Depth on NS 35/7,5	47 mm
Depth on NS 35/15	54.5 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))	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)	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	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)
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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

Connection in acc. with standard	IEC 60947-7-2
	UL
	CSA

USLKG 10 - Ground terminal



0442011

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	CUL
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Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32
Terminal block mounting	1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4)

USLKG 10 - Ground terminal



0442011

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/0442011>

DNV

Approval ID: TAE00001CT



CSA

Approval ID: 13631

Nominal voltage U_N

Nominal current I_N

Cross section AWG

Cross section mm^2

-

-

26 - 8

-



IECEE CB Scheme

Approval ID: NL-42276

Nominal voltage U_N

Nominal current I_N

Cross section AWG

Cross section mm^2

-

-

-

- 6



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 mm^2

Use group B

-

-

20 - 8

-

Use group C

-

-

20 - 8

-



LR

Approval ID: LR2041789TA-02



NK

Approval ID: 09 ME 141

USLKG 10 - Ground terminal



0442011

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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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0442011

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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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