

Ground modular terminal block - USLKG 50-IB



0443078

<https://www.phoenixcontact.com/de/produkte/0443078>

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Ground modular terminal block, with Allen screws, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 50 mm², cross section: 16 mm² - 50 mm², mounting: PE foot with mounting screw, M6, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

Commercial Data

Item number	0443078
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	A1 - Reihenklemmen
Product Key	BE1221
GTIN	4017918002312
Weight per Piece (including packing)	188,25 g
Weight per Piece (excluding packing)	188,25 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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	4.73 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	50 mm ²

Level 1 above 1 below 1

Screw thread	M6
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	6 ... 8 Nm
Stripping length	24 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section solid	16 mm ² ... 50 mm ²
Cross section AWG	6 ... 1/0 (converted acc. to IEC)
Conductor cross section flexible	25 mm ² ... 50 mm ²
Conductor cross section, flexible [AWG]	3 ... 1/0 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	25 mm ² ... 50 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	25 mm ² ... 50 mm ²
Nominal cross section	50 mm ²
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid	16 mm ² ... 50 mm ²
Cross section AWG	6 ... 1/0 (converted acc. to IEC)
Conductor cross section flexible	25 mm ² ... 50 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	<input type="checkbox"/> II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C

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Ex-certified accessories	1203343 VDE-ISS 5
	1201659 E/AL-NS 32
	1201662 E/AL-NS 35
Torque range for PE foot	6 Nm ... 8 Nm
output	(Permanent)

Ex connection data General

Torque range	6 Nm ... 8 Nm
Nominal cross section	50 mm ²
Rated cross section AWG	1/0
Connection capacity rigid	16 mm ² ... 50 mm ²
Connection capacity AWG	6 ... 1/0
Connection capacity flexible	25 mm ² ... 50 mm ²
Connection capacity AWG	4 ... 1/0

Dimensions

Width	20 mm
Height NS 35/15	83.5 mm
Height	3.287 "
Height NS 32	81 mm
Length	70.5 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)	125 °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	6 Nm ... 8 Nm (PE foot with mounting screw, M6)
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Mechanical data

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Open side panel	No
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Environmental and real-life conditions

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)
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
	IEC/EN 60079-7

Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32
Terminal block mounting	6 Nm ... 8 Nm (PE foot with mounting screw, M6)

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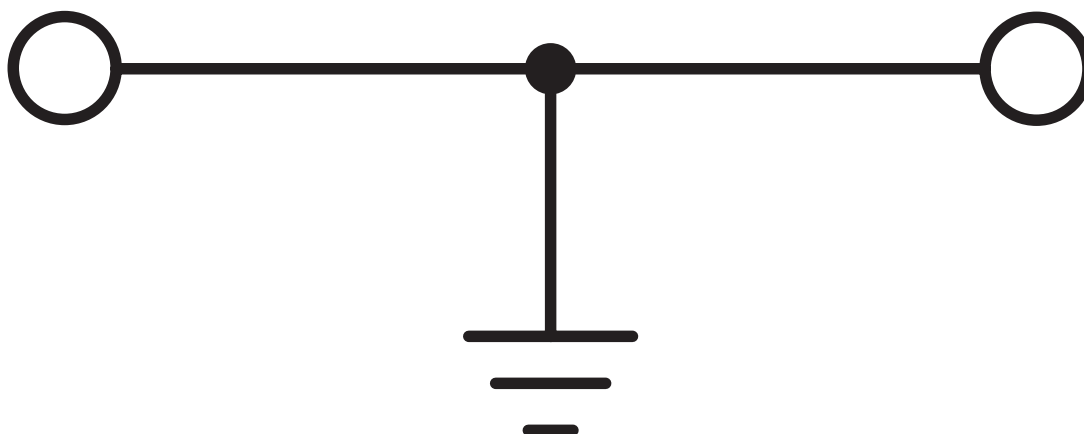


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Drawings

Circuit diagram




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Approvals

 CSA Approval ID: 13631				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B	600 V		6 - 1/0	-
Use group C	600 V		6 - 1/0	-
Use group D	600 V		6 - 1/0	-


 EAC Approval ID: RU C-DE.BL08.B.00534				
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 cULus Recognized Approval ID: E60425				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B			6 - 1/0	-
Clamping screw			-	-
Use group C			6 - 1/0	-
Clamping screw			-	-

 ATEX Approval ID: KEMA99ATEX4487U				
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 EAC Ex Approval ID: RU C-DE.HA91.B.00066				
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 IECEX Approval ID: IECEXKEM06.0035U				
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 CCC Approval ID: 2020322313000623				
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 NEPSI Approval ID: GYJ20.1195U				
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UKCA-EX

Approval ID: DEKRA 21UKEX0308U

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Classifications

ECLASS

ECLASS-9.0	27141141
ECLASS-10.0.1	27141141
ECLASS-11.0	27141141

ETIM

ETIM 8.0	EC000901
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

REACH SVHC	4-Nonylphenol, branched and linear
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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