

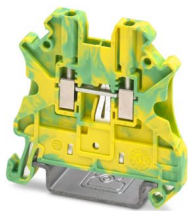
UT 1,5-PE - Protective conductor terminal block



1452318

<https://www.phoenixcontact.com/au/products/1452318>

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Protective conductor terminal block, number of connections: 2, connection method: Screw connection, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Tested for railway applications

Commercial data

Item number	1452318
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1111
Product key	BE1111
GTIN	4063151841706
Weight per piece (including packing)	9.702 g
Weight per piece (excluding packing)	9.7 g
Customs tariff number	85369010
Country of origin	IN

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Technical data

Product properties

Product type	Ground terminal block
Product family	UT
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
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	0.56 W

Connection data

Number of connections per level	2
Nominal cross section	1.5 mm ²
Rated cross section AWG	16
Screw thread	M2
Tightening torque	0.22 ... 0.25 Nm
Stripping length	7 mm ... 8 mm
Internal cylindrical gage	A1
	B1
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)	0.14 mm ² ... 1 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 0.75 mm ²
Nominal cross section	1.5 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	3047028 D-UT 2,5/10
	3022276 CLIPFIX 35-5

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	1212546 SF-SL 0,4X2,0-60
Ex temperature increase	40 K
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
2 conductors with same cross section, solid	0.14 mm ² ... 0.75 mm ²
2 conductors with the same cross-section AWG rigid	26 ... 18
2 conductors with same cross section, stranded	0.14 mm ² ... 0.75 mm ²
2 conductors with the same cross-section AWG flexible	26 ... 18

Dimensions

Width	4.15 mm
Height	48 mm
Depth	46.9 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
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
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

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2022-06
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Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

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 %

Mounting

Mounting type	NS 35/7,5
	NS 35/15

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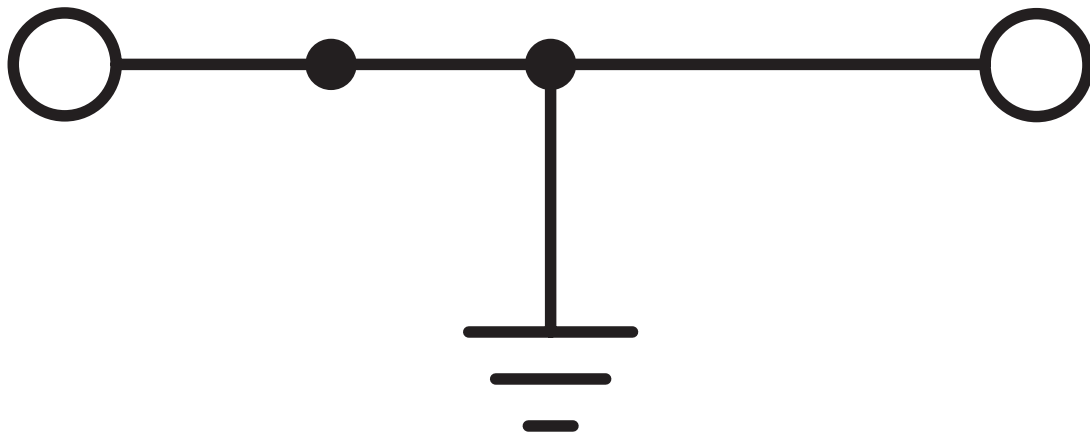


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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/au/products/1452318>

 cCSAus Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	-	-	30 - 14	-
Use group C	-	-	30 - 14	-
Use group F	-	-	30 - 14	-
Use group D	-	-	30 - 14	-

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	-	-	30 - 14	-
Use group C	-	-	30 - 14	-
Use group F	-	-	30 - 14	-
Use group D	-	-	30 - 14	-

 ATEX Approval ID: KEMA04ATEX2048U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only flexible conductors	-	-	-	0.14 - 1.5
Only rigid conductors	-	-	-	0.14 - 1.5

 IECEx Approval ID: IECEx KEM 06.0027U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only flexible conductors	-	-	-	0.14 - 1.5
Only rigid conductors	-	-	-	0.14 - 1.5

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CCC

Approval ID: 2020322313000622

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Classifications

ECLASS

ECLASS-13.0	27250103
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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
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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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