

XTV 10-PE - Ground terminal



1329550

<https://www.phoenixcontact.com/sg/products/1329550>

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Ground terminal, number of connections: 2, number of positions: 1, connection method: Push-X-connection, Rated cross section: 10 mm², cross section: 1.5 mm² - 16 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Fast, powerless conductor connection for all conductor types with the pretensioned contact spring
- A high level of flexibility when inserting conductors enables conductors with or without ferrules to be connected easily
- Clear conductor connection with the lateral connection direction and the clear pusher position
- Easy procurement of information – the QR code on the terminal block provides all important information about the product
- Terminal blocks with Push-X connection are part of the COMPLETE line system

Commercial data

Item number	1329550
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	BE2521
GTIN	4063151624477
Weight per piece (including packing)	36 g
Weight per piece (excluding packing)	34 g
Customs tariff number	85369010
Country of origin	CN

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Technical data

Product properties

Product type	Ground terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
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	0 W
Test surge voltage	8 kV

Connection data

Number of connections per level	2
Nominal cross section	10 mm ²
Stripping length	16 mm ... 18 mm
Internal cylindrical gage	A6
	B5
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	1.5 mm ² ... 16 mm ²
Cross section AWG	14 ... 6 (converted acc. to IEC)
Conductor cross section flexible	2.5 mm ² ... 16 mm ²
Conductor cross section, flexible [AWG]	12 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	2.5 mm ² ... 10 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	2.5 mm ² ... 10 mm ²
Nominal cross section	10 mm ²

Dimensions

Width	10.2 mm
End cover width	2.2 mm
Height	72 mm
Depth	48.8 mm
Depth on NS 35/7,5	50.3 mm
Depth on NS 35/15	57.8 mm

Material specifications

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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):2018-05
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s ²) ² /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):2018-05
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

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1329550

<https://www.phoenixcontact.com/sg/products/1329550>

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

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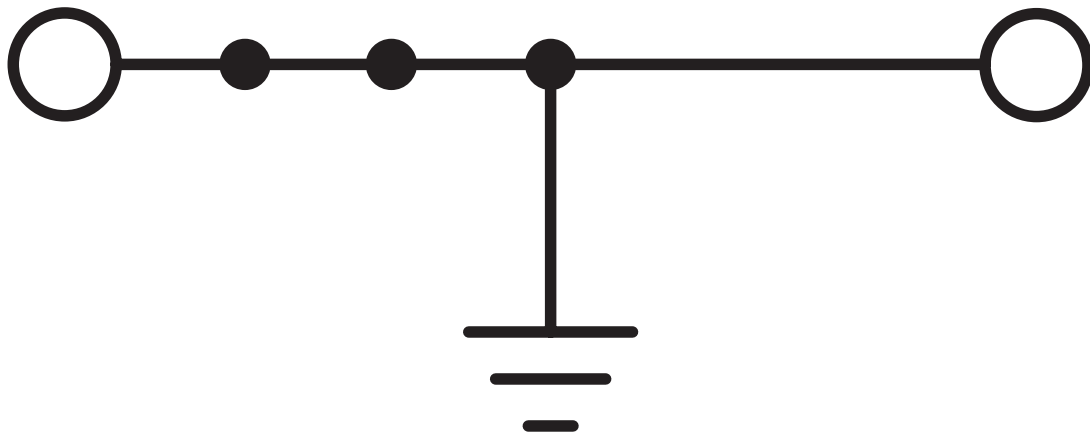
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/1329550>

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	-	-	12 - 6	-
Use group C				
	-	-	12 - 6	-

 CSA Approval ID: 2030668				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	-	-	12 - 6	-
Use group C				
	-	-	12 - 6	-

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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, 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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