

# Protective conductor terminal - XTV 10-PE

1329550

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

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Protective conductor terminal, number of connections: 2, number of positions: 1, connection method: Push-X-connection, Rated cross section: 10 mm<sup>2</sup>, cross section: 1.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, 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

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## Commercial Data

Item number	1329550
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	BE2521
Product Key	BE2521
GTIN	4063151624477
Weight per Piece (including packing)	34 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
Number of positions	1
Area of application	Railway industry
	Machine building
	Plant engineering
Number of connections	2
Number of rows	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Test surge voltage	8 kV
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### Connection data

Number of connections per level	2
Stripping length	17 mm ... 19 mm
Internal cylindrical gage	A6
Conductor cross section solid	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Cross section AWG	16 ... 6
Conductor cross section flexible	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	14 ... 8
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Nominal cross section	10 mm <sup>2</sup>

### Dimensions

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

### Material specifications

Color	green/yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

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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 <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis

### 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.)

### 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
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## Mounting

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

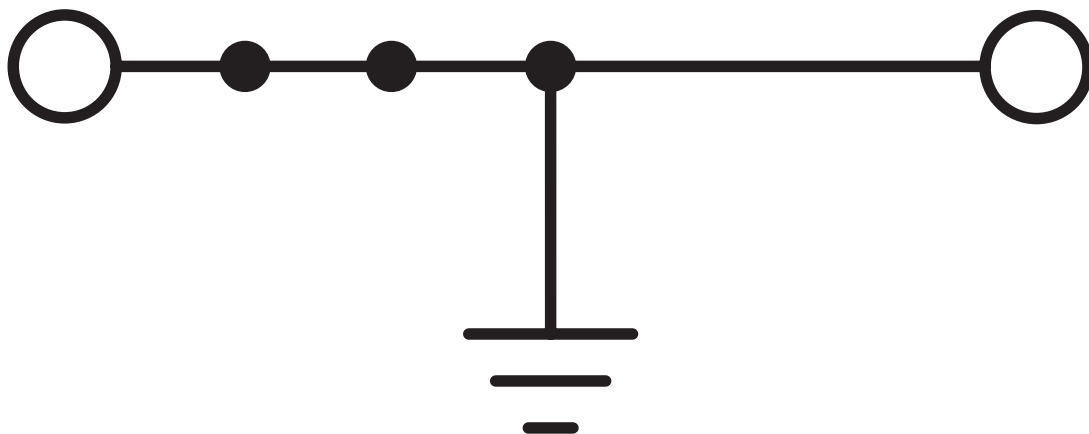
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## Drawings

Circuit diagram




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## Approvals

 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
Use group B			12 - 6	-
Use group C			12 - 6	-

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## Classifications

### ECLASS

ECLASS-11.0

27141141

### ETIM

ETIM 8.0

EC000901

### UNSPSC

UNSPSC 21.0

39121400

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