

# XTV 10 BU - Feed-through terminal block



1329549

<https://www.phoenixcontact.com/sg/products/1329549>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 57 A, 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: blue

## 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	1329549
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	BE2511
GTIN	4063151623197
Weight per piece (including packing)	30.1 g
Weight per piece (excluding packing)	30 g
Customs tariff number	85369010
Country of origin	CN

# XTV 10 BU - Feed-through terminal block



1329549

<https://www.phoenixcontact.com/sg/products/1329549>

## Technical data

### Product properties

Product type	Feed-through 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

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

### Connection data

Number of connections per level	2
Nominal cross section	10 mm <sup>2</sup>
Stripping length	16 mm ... 18 mm
Internal cylindrical gage	A6
	B5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Cross section AWG	14 ... 6 (converted acc. to IEC)
Conductor cross section flexible	2.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	12 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Nominal current	57 A
Maximum load current	70 A (with a 16 mm <sup>2</sup> conductor cross section, rigid)
Nominal voltage	1000 V
Nominal cross section	10 mm <sup>2</sup>

### Ex data

#### Rated data (ATEX/IECEx)

Identification	Ⓜ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C

# XTV 10 BU - Feed-through terminal block



1329549

<https://www.phoenixcontact.com/sg/products/1329549>

## 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

Color	blue (RAL 5015)
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

## Electrical tests

### Surge voltage test

Result	Test passed
--------	-------------

### Temperature-rise test

Requirement temperature-rise test	Increase in temperature $\leq 45$ K
Result	Test passed
Short-time withstand current 10 mm <sup>2</sup>	1.2 kA
Result	Test passed

### Power-frequency withstand voltage

Test voltage setpoint	2.2 kV
Result	Test passed

## Mechanical properties

### Mechanical data

Open side panel	Yes
-----------------	-----

## Mechanical tests

### Mechanical strength

# XTV 10 BU - Feed-through terminal block



1329549

<https://www.phoenixcontact.com/sg/products/1329549>

Result	Test passed
--------	-------------

## Attachment on the carrier

DIN rail/fixing support	NS 35
Result	Test passed

## Test for conductor damage and slackening

Rotation speed	9 rpm
Revolutions	135
Conductor cross section/weight	1.5 mm <sup>2</sup> / 0.4 kg
	10 mm <sup>2</sup> / 2 kg
	16 mm <sup>2</sup> / 2.9 kg
Result	Test passed

## Environmental and real-life conditions

### Aging

Temperature cycles	192
Result	Test passed

### Needle-flame test

Time of exposure	30 s
Result	Test passed

### 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
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)

# XTV 10 BU - Feed-through terminal block



1329549

<https://www.phoenixcontact.com/sg/products/1329549>

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 60947-7-1
----------------------------------	---------------

## Mounting

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

# XTV 10 BU - Feed-through terminal block

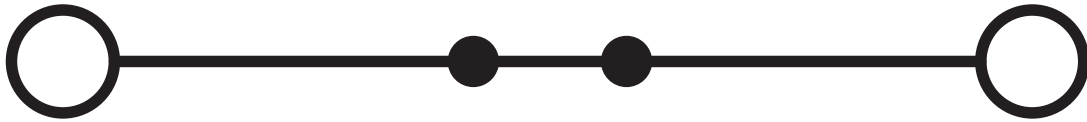
1329549

<https://www.phoenixcontact.com/sg/products/1329549>



## Drawings

### Circuit diagram



# XTV 10 BU - Feed-through terminal block





1329549

<https://www.phoenixcontact.com/sg/products/1329549>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/1329549>

 <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	600 V	55 A	12 - 6	-
Use group C	600 V	55 A	12 - 6	-
Use group F	1000 V	55 A	12 - 6	-

 <b>CSA</b> Approval ID: 2030668				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	600 V	55 A	12 - 6	-
Use group C	600 V	55 A	12 - 6	-

# XTV 10 BU - Feed-through terminal block



1329549

<https://www.phoenixcontact.com/sg/products/1329549>

## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

### ETIM

ETIM 9.0	EC000897
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------



# XTV 10 BU - Feed-through terminal block



1329549

<https://www.phoenixcontact.com/sg/products/1329549>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.  
105 Eunos Avenue 3, #04-00  
Singapore 409836  
+65 6228 4900  
[marketing@phoenixcontact.com.sg](mailto:marketing@phoenixcontact.com.sg)