

# PT 2X10/9X4 BU - Potential collective terminal



3002368

<https://www.phoenixcontact.com/us/products/3002368>

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Potential collective terminal, nom. voltage: 1000 V, nominal current: 57 A, Line contact, connection method: Push-in connection, Rated cross section: 10 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, Load contact, connection method: Push-in connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting: NS 35/7,5, color: blue

## Commercial data

Item number	3002368
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	BE22
Product key	BE2219
GTIN	4055626431079
Weight per piece (including packing)	49.98 g
Weight per piece (excluding packing)	46.1 g
Customs tariff number	85369010
Country of origin	IN

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## Technical data

### Product properties

Product type	Potential distributor
Product family	PT
Number of connections	11
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	2

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

### Connection data

Number of connections per level	11
Nominal cross section	4 mm <sup>2</sup>

### Line contact

Connection method	Push-in connection
Stripping length	20 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Nominal cross section	10 mm <sup>2</sup>
Nominal current	57 A
Maximum load current	101 A (with 2x10 mm <sup>2</sup> conductor cross-section)
Nominal voltage	1000 V

### Load contact

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	20 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>

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3002368

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2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Nominal cross section	4 mm <sup>2</sup>
Nominal current	32 A
Maximum load current	36 A (with 6 mm <sup>2</sup> conductor cross-section)
Nominal voltage	1000 V

## Line contact Connection cross sections directly pluggable

Conductor cross-section rigid	1 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>

## Load contact Connection cross sections directly pluggable

Conductor cross-section rigid	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>

## Dimensions

Width	18.5 mm
Height	83.2 mm
Depth	42.4 mm
Depth on NS 35/7,5	47.9 mm

## Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	PA 6.6
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### 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 %

## Standards and regulations

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3002368

<https://www.phoenixcontact.com/us/products/3002368>

Connection in acc. with standard	IEC 60947-7-1
	IEC 60947-7-1

## Mounting

Mounting type	NS 35/7,5
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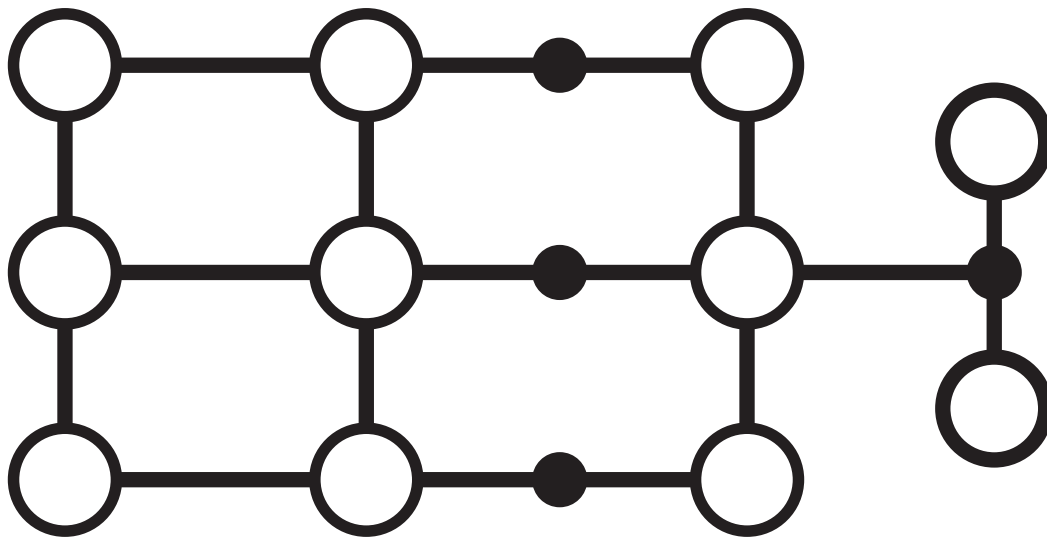


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## Drawings

Circuit diagram



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## Approvals

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 <b>cULus Recognized</b> Approval ID: E60425		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
<b>B</b>					
Output		600 V	25 A	20 - 10	-
Input		600 V	50 A	20 - 8	-
<b>C</b>					
Output		600 V	25 A	20 - 10	-
Input		600 V	50 A	20 - 8	-
<b>F</b>					
Output		1000 V	25 A	20 - 10	-
Input		1000 V	50 A	20 - 8	-

 <b>EAC</b> Approval ID: KZ7500651131219505	
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## Classifications

### ECLASS

ECLASS-13.0	27250119
ECLASS-15.0	27250119

### ETIM

ETIM 10.0	EC000897
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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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