

# PTU 35/4X10 BU - Potential collective terminal



3002370

<https://www.phoenixcontact.com/us/products/3002370>

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Potential collective terminal, nom. voltage: 1000 V, nominal current: 57 A, Load 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>, Line contact, connection method: Screw connection, Rated cross section: 35 mm<sup>2</sup>, cross section: 1.5 mm<sup>2</sup> - 50 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: blue

## Your advantages

- The terminal block base is ideal for use in building installation and machine building applications
- The compact design and front connection enable wiring in a confined space
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors

## Commercial data

Item number	3002370
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	BE22
Product key	BE2219
GTIN	4055626430874
Weight per piece (including packing)	72.72 g
Weight per piece (excluding packing)	69 g
Customs tariff number	85369010
Country of origin	IN

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## Technical data

### Notes

Notes on operation	In the end application, the applicable safety regulations for overload and short-circuit protection on the connected conductors must be considered.
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### Product properties

Product type	Potential distributor
Product family	PTU
Number of connections	5
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	2.43 W

### Connection data

Number of connections per level	5
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### Load contact

Connection method	Push-in connection
Stripping length	18 mm ... 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>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Nominal cross section	10 mm <sup>2</sup>
Nominal current	57 A
Maximum load current	57 A
Nominal voltage	1000 V

### Line contact

Connection method	Screw connection
Screw thread	M6
Tightening torque	3.2 ... 3.7 Nm

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Stripping length	18 mm ... 20 mm
Internal cylindrical gage	B9
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	1.5 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Cross section AWG	14 ... 2 (converted acc. to IEC)
Conductor cross-section flexible	1.5 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	14 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	1.5 mm <sup>2</sup> ... 35 mm <sup>2</sup>
2 conductors with same cross section, rigid	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
2 conductors with the same cross-section AWG rigid	16 ... 6 (converted acc. to IEC)
2 conductors with same cross section, flexible	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with the same cross-section AWG flexible	16 ... 8 (converted acc. to IEC)
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Nominal cross section	35 mm <sup>2</sup>
Nominal current	101 A
Maximum load current	101 A (The maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal voltage	1000 V

## Load 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)	4 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>

## Dimensions

Width	19.4 mm
Height	79.9 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

## Mechanical properties

### Mechanical data

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

### Ambient conditions

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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

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

## Mounting

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

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## Drawings

### Circuit diagram



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## Approvals

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**EAC**

Approval ID: RU C-DE.BL08.B.00644



**cULus Recognized**

Approval ID: E60425

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
<b>B</b>				
Spring-cage connection	600 V	36 A	20 - 8	-
Screw connection	600 V	86 A	14 - 3	-
<b>C</b>				
Spring-cage connection	600 V	36 A	20 - 8	-
Screw connection	600 V	86 A	14 - 3	-



**EAC**

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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