

# PTU 16/14X2,5 BU - Potential collective terminal



3214014

<https://www.phoenixcontact.com/us/products/3214014>

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Potential collective terminal, nom. voltage: 1000 V, nominal current: 25 A, number of connections: 15, connection method: Push-in connection, First level connection, interior, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 1 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, Screw connection, 1st level connection left, Rated cross section: 16 mm<sup>2</sup>, cross section: 1.5 mm<sup>2</sup> - 25 mm<sup>2</sup>, mounting type: 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 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
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- The compact design and front connection enable wiring in a confined space

## Commercial data

Item number	3214014
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE29
Product key	BE2ZWX
Catalog page	Page 123 (C-3-2015)
GTIN	4046356664219
Weight per piece (including packing)	41.34 g
Weight per piece (excluding packing)	41.08 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

Product type	Potential distributor
Number of connections	15
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

Type of additional hybrid connection	UT 2,5
Number of connections per level	15

### First level connection, interior

Internal cylindrical gage	A3
Connection in acc. with standard	VDE 0609, Part 1/EN 60999-1
Conductor cross section rigid	1 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cross section AWG	18 ... 14 (converted acc. to IEC)
Conductor cross section flexible	1 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.75 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Nominal current	25 A (The sum of the individual currents may not exceed the max. value of 80 A)
Maximum load current	25 A (The sum of the individual currents may not exceed the max. value of 80 A)
Nominal voltage	1000 V
Nominal cross section	2.5 mm <sup>2</sup>

### 1st level connection left

Screw thread	M5
Tightening torque	2 ... 3 Nm
Stripping length	12 mm
Internal cylindrical gage	A7
Connection in acc. with standard	VDE 0609, Part 1/EN 60999-1
Conductor cross section rigid	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section AWG	16 ... 4 (converted acc. to IEC)
Conductor cross section flexible	1 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	18 ... 6 (converted acc. to IEC)

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Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm <sup>2</sup> ... 16 mm <sup>2</sup>
2 conductors with same cross section, solid	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, flexible	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	1.5 mm <sup>2</sup> ... 6 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	80 A (with 16 mm <sup>2</sup> conductor cross section)
Maximum load current	80 A (with 25 mm <sup>2</sup> conductor cross section)
Nominal voltage	1000 V
Nominal cross section	16 mm <sup>2</sup>

## Dimensions

Width	17.5 mm
Height	89.5 mm
Depth on NS 35/7,5	36 mm
Depth on NS 35/15	43.5 mm

## Material specifications

Color	blue
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

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	VDE 0609, Part 1/EN 60999-1
	VDE 0609, Part 1/EN 60999-1

## Mounting

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

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## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250119

### ETIM

ETIM 9.0	EC000897
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
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