

PTU 16/14X2,5 GY - Potential collective terminal



3214016

<https://www.phoenixcontact.com/us/products/3214016>

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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 mm², cross section: 1 mm² - 2.5 mm², Screw connection, 1st level connection left, Rated cross section: 16 mm², cross section: 1.5 mm² - 25 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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
- 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

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 3214016 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BE29 |
| Product key | BE2ZWX |
| Catalog page | Page 123 (C-3-2015) |
| GTIN | 4046356701723 |
| Weight per piece (including packing) | 41.17 g |
| Weight per piece (excluding packing) | 41.1 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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

| | |
|---------------------------------|----|
| 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 ² ... 2.5 mm ² |
| Cross section AWG | 18 ... 14 (converted acc. to IEC) |
| Conductor cross section flexible | 1 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.75 mm ² ... 1.5 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.75 mm ² ... 1.5 mm ² |
| 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 ² |

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 ² ... 25 mm ² |
| Cross section AWG | 16 ... 4 (converted acc. to IEC) |
| Conductor cross section flexible | 1 mm ² ... 16 mm ² |
| Conductor cross section, flexible [AWG] | 18 ... 6 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 1 mm ² ... 16 mm ² |

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

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 | gray |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

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

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|-------------|----------|
| ECLASS-11.0 | 27141120 |
| ECLASS-13.0 | 27250119 |

ETIM

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|----------|----------|
| ETIM 9.0 | EC000897 |
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UNSPSC

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|-------------|----------|
| 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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