# XTTB 1,5-PE - Double-level terminal block

1641230

https://www.phoenixcontact.com/in/products/1641230

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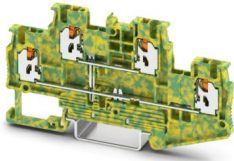
Double-level terminal block, number of positions: 2, connection method: Push-X-connection, Rated cross section: 1.5 mm$^2$, cross section: 0.25 mm$^2$ - 1.5 mm$^2$, mounting type: NS 35/7,5, NS 35/15, color: green-yellow

## Your advantages

- Maximum ease of use thanks to the effortless and tool-free Push-X technology
- Quick installation of all types of conductors with and without ferrule
- Open clamping chambers guarantee quick wiring on site
- Clear identification of the conductor connection
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories
- Meet the requirements of DIN EN 60947-7-2 or IEC 60947-7-2 for protective conductor connections
- High level of safety thanks to the low-resistance connection to the ground potential via the top-hat rail
- Direct contacting with the DIN rail enables fast, error-free grounding without additional wiring effort

## Commercial data

| | |
|---|---|
| Item number | 1641230 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Product key | BE2524 |
| GTIN | 4067923168299 |
| Weight per piece (including packing) | 14.65 g |
| Weight per piece (excluding packing) | 14.62 g |
| Country of origin | CN |

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## Technical data

### Product properties

| | |
|---|---|
| Product type | Ground terminal block |
| Number of positions | 2 |
| Number of rows | 2 |
| Potentials | 1 |

#### Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Degree of pollution | 3 |

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 0.56 W |

### Connection data

| | |
|---|---|
| Nominal cross section | 1.5 mm² |
| Rated cross section AWG | 16 |
| Connection method | Push-X-connection |
| Stripping length | 10 mm ... 12 mm |
| Connection in acc. with standard | IEC 60947-7-2 |
| Conductor cross-section rigid | 0.25 mm² ... 1.5 mm² |
| Cross section AWG | 24 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.34 mm² ... 2.5 mm² |
| Conductor cross-section, flexible [AWG] | 22 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.34 mm² ... 1.5 mm² (1.5 mm² only with rectangular compression in one position) |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.34 mm² ... 1.5 mm² (1.5 mm² only with rectangular compression in one position) |
| Nominal cross section | 1.5 mm² |

### Dimensions

| | |
|---|---|
| Width | 4.2 mm |
| Height | 89.54 mm |
| Depth | 46.05 mm |
| Depth on NS 35/7,5 | 47.55 mm |
| Depth on NS 35/15 | 55.05 mm |

### Material specifications

| | |
|---|---|
| Color | green-yellow |
| 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 |

## Environmental and real-life conditions

### Ambient conditions

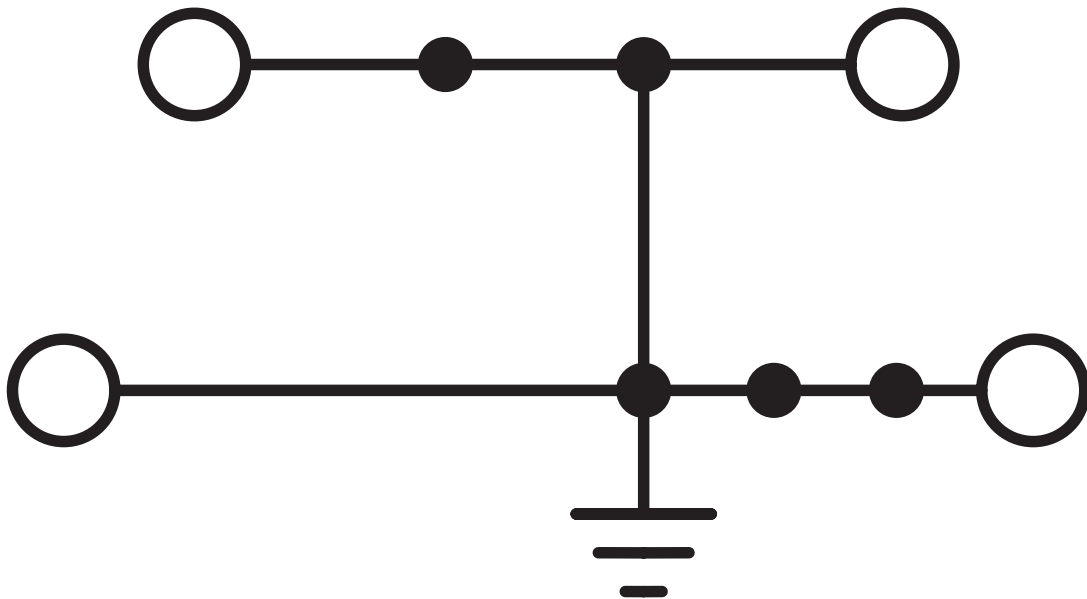| | |
|---|---|
| Ambient temperature (operation) | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| 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

| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-2 |

## Mounting

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

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## Drawings

Circuit diagram

# XTTB 1,5-PE - Double-level terminal block

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https://www.phoenixcontact.com/in/products/1641230

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/1641230

### CSA
Approval ID: 2030668

|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section mm$^2$ |
|---|---|---|---|---|
| B |   |   |   |   |
|   | - | - | 22 - 14 | - |
| C |   |   |   |   |
|   | - | - | 22 - 14 | - |
| D |   |   |   |   |
|   | - | - | 22 - 14 | - |

### cULus Recognized
Approval ID: E60425

|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section mm$^2$ |
|---|---|---|---|---|
| B |   |   |   |   |
|   | - | - | 22 - 14 | - |
| C |   |   |   |   |
|   | - | - | 22 - 14 | - |
| D |   |   |   |   |
|   | - | - | 22 - 14 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27250104 |
| ECLASS-15.0 | 27250104 |

### UNSPSC

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

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## 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% |