# PTRV 8 BU/RDWH - Marshalling panel

3270135

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Marshalling panel, nom. voltage: 250 V, nominal current: 8 A, connection method: Push-in connection, 1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level, Rated cross section: 1.5 $mm^2$, cross section: 0.14 $mm^2$ - 2.5 $mm^2$, mounting: NS 35/7,5, NS 35/15, color: blue, color of connection elements: red, white

## Your advantages

- Tool-free wiring in a confined space thanks to compact size
- High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- Blue version for using in intrinsically safe circuits in potentially explosive areas (type of protection Ex i)
- Individual color assignment of cable and terminal point to ensure error-free, safe operation
- The 2.3 mm test pick-off enables testing between the conductors with commercially available test probes

## Commercial data

| | |
|---|---|
| Item number | 3270135 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BE62 |
| Product key | BE6211 |
| GTIN | 4055626046693 |
| Weight per piece (including packing) | 37.49 g |
| Weight per piece (excluding packing) | 37.49 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Marshalling terminal |
| Number of positions | 2 |
| Number of connections | 32 |
| Number of rows | 8 |
| Potentials | 8 |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |

## Electrical properties

| | |
|---|---|
| Rated surge voltage | 4 kV |
| Maximum power dissipation for nominal condition | 0.56 W |

## Connection data

| | |
|---|---|
| Number of connections per level | 4 |
| Nominal cross section | 1.5 mm² |

1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level

| | |
|---|---|
| Connection method | Push-in connection |
| Stripping length | 8 mm ... 10 mm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.14 mm² ... 2.5 mm² |
| Cross section AWG | 26 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.14 mm² ... 1.5 mm² |
| Conductor cross-section, flexible [AWG] | 26 ... 16 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm² ... 1.5 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.14 mm² ... 1.5 mm² |
| Nominal current | 8 A |
| Maximum load current | 8 A (with 1.5 mm² conductor cross-section) |
| Nominal voltage | 250 V |
| Nominal cross section | 1.5 mm² |

1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level Connection cross sections directly pluggable

| | |
|---|---|
| Conductor cross-section rigid | 0.34 mm² ... 2.5 mm² |
| Conductor cross-section, rigid [AWG] | 20 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.34 mm² ... 1.5 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.34 mm² ... 1.5 mm² |

## Dimensions

| | |
|---|---|
| Width | 8.3 mm |
| Height | 100 mm |
| Depth on NS 35/7,5 | 87.5 mm |

| | |
|---|---|
| Depth on NS 35/15 | 95 mm |

## Material specifications

| | |
|---|---|
| Color | blue (RAL 5015) |
| Color of connection elements | red (4x top) |
| | white (4x bottom) |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |
| Static insulating material application in cold | -60 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °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 |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| 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 |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Open side panel | Yes |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport) | 30 % ... 70 % |

## Standards and regulations

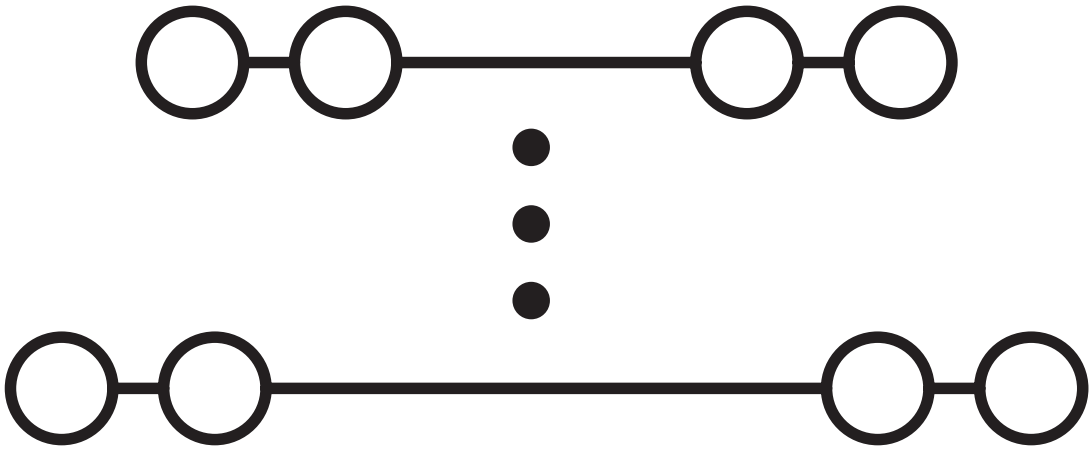
| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-1 |

## Mounting

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

## Drawings

Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3270135

**CSA**
Approval ID: 2030668

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| B | | | | |
| | 300 V | 10 A | 26 - 14 | - |
| D | | | | |
| | 300 V | 10 A | 26 - 14 | - |

**IECEE CB Scheme**
Approval ID: NL-58817

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 250 V | 8 A | - | - |

**EAC**
Approval ID: RU C-DE.BL08.B.00682

**cULus Recognized**
Approval ID: E60425

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| D | | | | |
| | 300 V | 10 A | 26 - 14 | - |

**KEMA-KEUR**
Approval ID: 71-102890

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| Only flexible conductors | 250 V | 8 A | - | 0.14 - 1.5 |
| Only rigid conductors | 250 V | 8 A | - | 0.14 - 2.5 |

**DNV**
Approval ID: TAE000016Y

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27250105 |
| ECLASS-15.0 | 27250105 |

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

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|---|---|
| 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% |



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