

PT 6 - Feed-through terminal block



3211813

<https://www.phoenixcontact.com/in/products/3211813>

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 2, number of positions: 1, connection method: Push-in connection, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- 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
- The compact design and front connection enable wiring in a confined space

- Tested for railway applications

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 3211813 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE2 |
| Product key | BE2211 |
| Catalog page | Page 111 (C-1-2019) |
| GTIN | 4046356494656 |
| Weight per piece (including packing) | 14.98 g |
| Weight per piece (excluding packing) | 13.98 g |
| Customs tariff number | 85369010 |
| Country of origin | CN |

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Technical data

Notes

General

| | |
|------|--|
| Note | In plugged-in condition, the most unfavorable paths of the entire plug-in connection are decisive. |
|------|--|

Product properties

| | |
|-----------------------|-----------------------------|
| Product type | Feed-through terminal block |
| Product family | PT |
| Number of positions | 1 |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| Number of connections | 2 |
| Number of rows | 1 |
| Potentials | 1 |

Insulation characteristics

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

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 1.31 W |

Connection data

| | |
|---|---|
| Number of connections per level | 2 |
| Nominal cross section | 6 mm ² |
| Stripping length | 10 mm ... 12 mm |
| Internal cylindrical gage | A5 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section rigid | 0.5 mm ² ... 10 mm ² |
| Cross section AWG | 20 ... 8 (converted acc. to IEC) |
| Conductor cross section flexible | 0.5 mm ² ... 10 mm ² |
| Conductor cross section, flexible [AWG] | 20 ... 8 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm ² ... 6 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.5 mm ² ... 6 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 2.5 mm ² When using TWIN ferrules, we recommend a minimum ferrule length of 13 mm. |
| Nominal current | 41 A |
| Maximum load current | 52 A (with 10 mm ² conductor cross section, rigid) |
| Nominal voltage | 1000 V |
| Nominal cross section | 6 mm ² |

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Connection cross sections directly pluggable

| | |
|---|------------------|
| Conductor cross section rigid | 1 mm² ... 10 mm² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 1 mm² ... 6 mm² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 1 mm² ... 6 mm² |

Ex data

Rated data (ATEX/IECEx)

| | |
|--|-------------------------------------|
| Identification | Ex II 2 GD Ex eb IIC Gb |
| Operating temperature range | -60 °C ... 110 °C |
| Ex-certified accessories | 3212044 D-PT 6 |
| | 3024481 ATP-ST 6 |
| | 1204520 SZF 2-0,8X4,0 |
| | 3022276 CLIPFIX 35-5 |
| | 3022218 CLIPFIX 35 |
| List of bridges | Plug-in bridge / FBS 2-8 / 3030284 |
| | Plug-in bridge / FBS 3-8 / 3030297 |
| | Plug-in bridge / FBS 4-8 / 3030307 |
| | Plug-in bridge / FBS 5-8 / 3030310 |
| | Plug-in bridge / FBS 6-8 / 3032470 |
| | Plug-in bridge / FBS 10-8 / 3030323 |
| Bridge data | 35 A / 6 mm² |
| Ex temperature increase | 40 K (36.5 A / 6 mm²) |
| Rated voltage | 550 V |
| for bridging with bridge | 550 V |
| - At bridging between non-adjacent terminal blocks | 275 V |
| - At bridging between non-adjacent terminal blocks via PE terminal block | 275 V |
| - At cut-to-length bridging | 220 V |
| - At cut-to-length bridging with cover | 275 V |
| - At cut-to-length bridging with partition plate | 550 V |
| Rated insulation voltage | 500 V |
| output | (Permanent) |

Ex level General

| | |
|----------------------|---------|
| Rated current | 36.5 A |
| Maximum load current | 46 A |
| Contact resistance | 0.48 mΩ |

Ex connection data General

| | |
|------------------------------|--------------------|
| Nominal cross section | 6 mm² |
| Rated cross section AWG | 10 |
| Connection capacity rigid | 0.5 mm² ... 10 mm² |
| Connection capacity AWG | 20 ... 8 |
| Connection capacity flexible | 0.5 mm² ... 6 mm² |