

# PT 2,5-QUATTRO BN - Feed-through terminal block



1176302

<https://www.phoenixcontact.com/in/products/1176302>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 4, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: brown

## Your advantages

- 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 facility in the double function shaft, all terminal blocks provide an additional test connection
- Tested for railway applications

## Commercial Data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1176302       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales Key                            | *****         |
| Product Key                          | BE2223        |
| GTIN                                 | 4063151208011 |
| Weight per Piece (including packing) | 10.511 g      |
| Weight per Piece (excluding packing) | 10.446 g      |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

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## Technical Data

### Notes

#### General

|      |                                                                                              |
|------|----------------------------------------------------------------------------------------------|
| Note | The max. load current must not be exceeded by the total current of all connected conductors. |
|------|----------------------------------------------------------------------------------------------|

### Product properties

|                       |                                |
|-----------------------|--------------------------------|
| Product type          | Multi-conductor terminal block |
| Area of application   | Railway industry               |
|                       | Machine building               |
|                       | Plant engineering              |
|                       | Process industry               |
| Number of connections | 4                              |
| 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 | 0.77 W |

### Connection data

|                                                                                           |                                                                    |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Number of connections per level                                                           | 4                                                                  |
| Nominal cross section                                                                     | 2.5 mm <sup>2</sup>                                                |
| Stripping length                                                                          | 8 mm ... 10 mm                                                     |
| Internal cylindrical gage                                                                 | A3                                                                 |
|                                                                                           | B2                                                                 |
| Connection in acc. with standard                                                          | IEC 60947-7-1                                                      |
| Conductor cross section rigid                                                             | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>                         |
| Cross section AWG                                                                         | 26 ... 12 (converted acc. to IEC)                                  |
| Conductor cross section flexible                                                          | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>                         |
| Conductor cross section, flexible [AWG]                                                   | 26 ... 12 (converted acc. to IEC)                                  |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                       |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                       |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup>                                                |
| Nominal current                                                                           | 24 A (with 2.5 mm <sup>2</sup> conductor connection cross section) |
| Maximum load current                                                                      | 28 A (with 4 mm <sup>2</sup> conductor cross section, rigid)       |
| Nominal voltage                                                                           | 800 V                                                              |
| Nominal cross section                                                                     | 2.5 mm <sup>2</sup>                                                |

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## Connection cross sections directly pluggable

|                                                                   |                                              |
|-------------------------------------------------------------------|----------------------------------------------|
| Conductor cross section rigid                                     | 0.34 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>  |
| Flexible conductor cross section (ferrule with plastic sleeve)    | 0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |

## Ex data

### Rated data (ATEX/IECEx)

|                                                    |                                     |
|----------------------------------------------------|-------------------------------------|
| Identification                                     | □ II 2 G Ex eb IIC Gb               |
| Operating temperature range                        | -60 °C ... 110 °C                   |
| Ex-certified accessories                           | 3030514 D-ST 2,5-QUATTRO            |
|                                                    | 3030815 ATP-ST QUATTRO              |
|                                                    | 3036602 DS-ST 2,5                   |
|                                                    | 1204517 SZE 1-0,6X3,5               |
|                                                    | 3022276 CLIPFIX 35-5                |
|                                                    | 3022218 CLIPFIX 35                  |
| List of bridges                                    | Plug-in bridge / FBS 2-5 / 3030161  |
|                                                    | Plug-in bridge / FBS 3-5 / 3030174  |
|                                                    | Plug-in bridge / FBS 4-5 / 3030187  |
|                                                    | Plug-in bridge / FBS 5-5 / 3030190  |
|                                                    | Plug-in bridge / FBS 10-5 / 3030213 |
|                                                    | Plug-in bridge / FBS 20-5 / 3030226 |
| Bridge data                                        | 19 A / 2.5 mm <sup>2</sup>          |
| Ex temperature increase                            | 40 K (19 A / 2.5 mm <sup>2</sup> )  |
| Rated voltage                                      | 550 V                               |
| for bridging with bridge                           | 550 V                               |
| - At bridging between non-adjacent terminal blocks | 352 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        | 19 A    |
| Maximum load current | 23 A    |
| Contact resistance   | 1.14 mΩ |

### Ex connection data General

|                              |                                              |
|------------------------------|----------------------------------------------|
| Nominal cross section        | 2.5 mm <sup>2</sup>                          |
| Rated cross section AWG      | 14                                           |
| Connection capacity rigid    | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Connection capacity AWG      | 26 ... 12                                    |
| Connection capacity flexible | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Connection capacity AWG      | 26 ... 14                                    |