

# PT 4 BN - Feed-through terminal block



1182209

<https://www.phoenixcontact.com/in/products/1182209>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 2, connection method: Push-in connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: brown

## Commercial Data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1182209       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 500 pc        |
| Sales Key                            | BE2           |
| Product Key                          | BE2211        |
| GTIN                                 | 4063151218898 |
| Weight per Piece (including packing) | 8.6 g         |
| Weight per Piece (excluding packing) | 8.6 g         |
| Customs tariff number                | 85369010      |
| Country of origin                    | CN            |

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## Technical Data

### Product properties

|                       |                             |
|-----------------------|-----------------------------|
| Product type          | Feed-through terminal block |
| Area of application   | Railway industry            |
|                       | Machine building            |
|                       | Plant engineering           |
|                       | Process industry            |
| 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 | 1.02 W |

### Connection data

|                                                                                           |                                                              |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Number of connections per level                                                           | 2                                                            |
| Nominal cross section                                                                     | 4 mm <sup>2</sup>                                            |
| Stripping length                                                                          | 10 mm ... 12 mm                                              |
| Internal cylindrical gage                                                                 | A4                                                           |
| Connection in acc. with standard                                                          | IEC 60947-7-1                                                |
| Conductor cross section rigid                                                             | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>                    |
| Cross section AWG                                                                         | 24 ... 10 (converted acc. to IEC)                            |
| Conductor cross section flexible                                                          | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>                    |
| Conductor cross section, flexible [AWG]                                                   | 24 ... 10 (converted acc. to IEC)                            |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>                   |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>                   |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>                    |
| Nominal current                                                                           | 32 A                                                         |
| Maximum load current                                                                      | 36 A (with 6 mm <sup>2</sup> conductor cross section, rigid) |
| Nominal voltage                                                                           | 800 V                                                        |
| Nominal cross section                                                                     | 4 mm <sup>2</sup>                                            |

### Connection cross sections directly pluggable

|                                                                   |                                            |
|-------------------------------------------------------------------|--------------------------------------------|
| Conductor cross section rigid                                     | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>  |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.75 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Flexible conductor cross section (ferrule with plastic sleeve)    | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>  |

### Ex data

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## Rated data (ATEX/IECEX)

|                                                                          |                                     |
|--------------------------------------------------------------------------|-------------------------------------|
| Identification                                                           | □ II 2 G Ex eb IIC Gb               |
| Operating temperature range                                              | -60 °C ... 110 °C                   |
| Ex-certified accessories                                                 | 3030420 D-ST 4                      |
|                                                                          | 3030721 ATP-ST 4                    |
|                                                                          | 1204517 SZF 1-0,6X3,5               |
|                                                                          | 3022276 CLIPFIX 35-5                |
|                                                                          | 3022218 CLIPFIX 35                  |
| List of bridges                                                          | Plug-in bridge / FBS 2-6 / 3030336  |
|                                                                          | Plug-in bridge / FBS 3-6 / 3030242  |
|                                                                          | Plug-in bridge / FBS 4-6 / 3030255  |
|                                                                          | Plug-in bridge / FBS 5-6 / 3030349  |
|                                                                          | Plug-in bridge / FBS 10-6 / 3030271 |
|                                                                          | Plug-in bridge / FBS 20-6 / 3030365 |
| Bridge data                                                              | 25 A / 4 mm <sup>2</sup>            |
| Ex temperature increase                                                  | 40 K (26 A / 4 mm <sup>2</sup> )    |
| Rated voltage                                                            | 550 V                               |
| for bridging with bridge                                                 | 550 V                               |
| - At bridging between non-adjacent terminal blocks                       | 352 V                               |
| - At bridging between non-adjacent terminal blocks via PE terminal block | 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        | 26 A (4 mm <sup>2</sup> ) |
| Maximum load current | 30 A (6 mm <sup>2</sup> ) |
| Contact resistance   | 0.59 mΩ                   |

## Ex connection data General

|                              |                                           |
|------------------------------|-------------------------------------------|
| Nominal cross section        | 4 mm <sup>2</sup>                         |
| Rated cross section AWG      | 12                                        |
| Connection capacity rigid    | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup> |
| Connection capacity AWG      | 24 ... 10                                 |
| Connection capacity flexible | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Connection capacity AWG      | 24 ... 12                                 |

## Dimensions

|                 |         |
|-----------------|---------|
| Width           | 6.2 mm  |
| End cover width | 2.2 mm  |
| Height          | 35.3 mm |
| Height NS 35/15 | 44 mm   |