

## Feed-through terminal block - ST 1,5-TWIN BU - 3031131

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Feed-through terminal block, Connection method: Spring-cage connection, Cross section: 0.08 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 28 - 16, Width: 4.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15

The illustration shows version ST 1,5-TWIN in gray

### Product Features

- The consistent double function shaft offers every opportunity for time-saving potential distribution and accommodating test accessories
- User-friendly implementation of all potential branching tasks
- Tested for railway applications
- Space-saving and practical multi-conductor connection without additional bridges



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 7.364 g  |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Germany  |

### Technical data

#### General

|  |                     |
|--|---------------------|
| Number of levels                       | 1                   |
| Number of connections                  | 3                   |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Color                                  | blue                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |

# Feed-through terminal block - ST 1,5-TWIN BU - 3031131

## Technical data

### General

|                                |  |
|--------------------------------|--|
| Area of application            | Railway industry   |
|                                | Machine building   |
|                                | Plant engineering  |
|                                | Process industry   |
| Rated surge voltage            | 6 kV   |
| Degree of pollution            | 3  |
| Overvoltage category           | III  |
| Insulating material group      | I  |
| Maximum load current           | 17.5 A (In case of a 1.5 mm <sup>2</sup> conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.) |
| Nominal current I <sub>N</sub> | 17.5 A (with 1.5 mm <sup>2</sup> conductor cross section)  |
| Nominal voltage U <sub>N</sub> | 500 V  |
| Open side panel                | Yes  |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 4.2 mm  |
| End cover width  | 2.2 mm  |
| Length           | 60.5 mm |
| Height NS 35/7,5 | 36.5 mm |
| Height NS 35/15  | 44 mm   |

### Connection data

|   |                        |
|---|------------------------|
| Connection method   | Spring-cage connection |
| Connection in acc. with standard  | IEC 60947-7-1          |
| Conductor cross section solid min.  | 0.08 mm <sup>2</sup>   |
| Conductor cross section solid max.  | 1.5 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 28                     |
| Conductor cross section AWG max.  | 16                     |
| Conductor cross section flexible min.   | 0.08 mm <sup>2</sup>   |
| Conductor cross section flexible max.   | 1.5 mm <sup>2</sup>    |
| Min. AWG conductor cross section, flexible  | 28                     |
| Max. AWG conductor cross section, flexible  | 16                     |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.14 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 1.5 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.14 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 1.5 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>    |

# Feed-through terminal block - ST 1,5-TWIN BU - 3031131

## Technical data

### Connection data

|                                       |                      |
|---------------------------------------|----------------------|
| Connection in acc. with standard      | IEC/EN 60079-7       |
| Conductor cross section solid min.    | 0.08 mm <sup>2</sup> |
| Conductor cross section solid max.    | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.      | 28                   |
| Conductor cross section AWG max.      | 16                   |
| Conductor cross section flexible min. | 0.08 mm <sup>2</sup> |
| Conductor cross section flexible max. | 1.5 mm <sup>2</sup>  |
| Stripping length                      | 10 mm                |
| Internal cylindrical gage             | A1                   |

### Standards and Regulations

|  |               |
|--|---------------|
| Connection in acc. with standard       | CSA           |
|  | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141121 |
| eCl@ss 4.1 | 27141121 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |

# Feed-through terminal block - ST 1,5-TWIN BU - 3031131

## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121410 |
|-------------|----------|

## Approvals

### Approvals

#### Approvals


CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / LR / BV / KR / NK / IEC EE CB Scheme / EAC / EAC / cULus Recognized


#### Ex Approvals

IECEX / ATEX / EAC Ex

#### Approvals submitted


## Approval details

|   |       |       |
|---|-------|-------|
| CSA  |       |       |
|   | B     | C     |
| mm <sup>2</sup> /AWG/kcmil  | 26-14 | 26-14 |
| Nominal current I <sub>N</sub>  | 15 A  | 15 A  |
| Nominal voltage U <sub>N</sub>  | 300 V | 300 V |


|   |       |       |
|---|-------|-------|
| UL Recognized  |       |       |
|   | B     | C     |
| mm <sup>2</sup> /AWG/kcmil  | 26-14 | 26-14 |
| Nominal current I <sub>N</sub>  | 15 A  | 15 A  |
| Nominal voltage U <sub>N</sub>  | 300 V | 300 V |

# Feed-through terminal block - ST 1,5-TWIN BU - 3031131

## Approvals

VDE Gutachten mit Fertigungsüberwachung 

|                                |        |
|--------------------------------|--------|
| mm <sup>2</sup> /AWG/kcmil     | 1.5    |
| Nominal current I <sub>N</sub> | 17.5 A |
| Nominal voltage U <sub>N</sub> | 500 V  |

cUL Recognized 


|                                | B     | C     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 26-14 | 26-14 |
| Nominal current I <sub>N</sub> | 15 A  | 15 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

LR

BV

KR

NK

IECEE CB Scheme 

|                                |       |
|--------------------------------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 1.5   |
| Nominal voltage U <sub>N</sub> | 500 V |

EAC

EAC

## Feed-through terminal block - ST 1,5-TWIN BU - 3031131

### Approvals



### Drawings

Circuit diagram

