

3211650  
<https://www.phoenixcontact.com/pc/products/3211650>

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Knife-disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, 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: NS 35/7,5, NS 35/15, color: blue

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<br/>

Commercial data

|                                      |                    |
|--------------------------------------|--------------------|
| Item number                          | 3211650            |
| Packing unit                         | 50 pc              |
| Minimum order quantity               | 50 pc              |
| Product key                          | BE2231             |
| Catalog page                         | Page 78 (C-1-2019) |
| GTIN                                 | 4046356446501      |
| Weight per piece (including packing) | 8.17 g             |
| Weight per piece (excluding packing) | 7.562 g            |
| Customs tariff number                | 85369010           |
| Country of origin                    | PL                 |

# PT 2,5-MT BU - Knife-disconnect terminal block



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## Technical data

### Product properties

|                       |                           |
|-----------------------|---------------------------|
| Product type          | Disconnect terminal block |
| Number of positions   | 1                         |
| Number of connections | 2                         |
| Number of rows        | 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                                                                                   | 2                                                            |
| Nominal cross section                                                                                             | 2.5 mm <sup>2</sup>                                          |
| Stripping length                                                                                                  | 8 mm ... 10 mm                                               |
| Internal cylindrical gage                                                                                         | A3                                                           |
| 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>                 |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 0.14 mm <sup>2</sup> ... 0.5 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                                                                                                   | 20 A                                                         |
| Maximum load current                                                                                              | 20 A (with 4 mm <sup>2</sup> conductor cross section, rigid) |
| Nominal voltage                                                                                                   | 400 V                                                        |
| Nominal cross section                                                                                             | 2.5 mm <sup>2</sup>                                          |

### 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> |

### Dimensions

|                 |        |
|-----------------|--------|
| Width           | 5.2 mm |
| End cover width | 2.2 mm |

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|                    |         |
|--------------------|---------|
| Height             | 62 mm   |
| Depth              | 35.3 mm |
| Depth on NS 35/7,5 | 36.5 mm |
| Depth on NS 35/15  | 44 mm   |

## Material specifications

|                                                                         |             |
|-------------------------------------------------------------------------|-------------|
| Color                                                                   | blue        |
| 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)) | 125 °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)                        | 27,5 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 ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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 (operation)         | 20 % ... 90 %                                                                                                                |
| 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  |

# PT 2,5-MT BU - Knife-disconnect terminal block

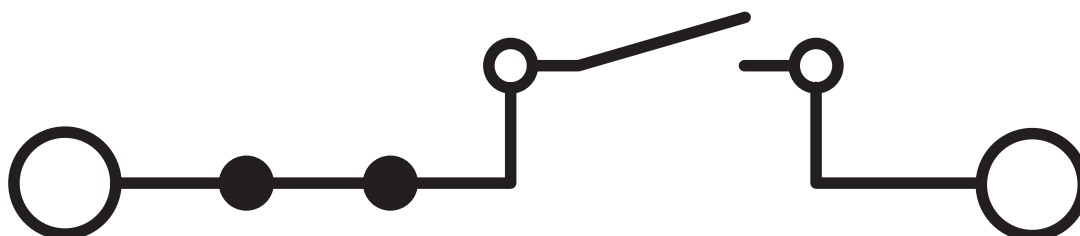


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## Drawings

Circuit diagram



# PT 2,5-MT BU - Knife-disconnect terminal block



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/3211650>

### DNV

Approval ID: TAE00003JE



### IECEE CB Scheme

Approval ID: DE1-65861

Nominal voltage  $U_N$

Nominal current  $I_N$

Cross section AWG

Cross section  $\text{mm}^2$

400 V

20 A

-

0.2 - 2.5



### EAC

Approval ID: RU C-DE.BL08.B.00644



### cULus Recognized

Approval ID: E60425



### LR

Approval ID: LR2371832TA



### NK

Approval ID: 14ME0912



### BV

Approval ID: 25278/C1 BV



### VDE Zeichengenehmigung

Approval ID: 40036792

Nominal voltage  $U_N$

Nominal current  $I_N$

Cross section AWG

Cross section  $\text{mm}^2$

400 V

20 A

-

0.2 - 2.5



### LR

Approval ID: 14/20056



### cULus Recognized

Approval ID: E60425

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141126 |
| ECLASS-12.0 | 27141126 |
| ECLASS-13.0 | 27250108 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000902 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| 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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