

## Feed-through terminal block - PT 2,5 YE - 3209511

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, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 2, number of positions: 1, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, color: yellow, mounting type: NS 35/7,5, NS 35/15

### Why buy this product

- 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



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 STK  |
| GTIN                                 | <br>4 046356 681797 |
| GTIN                                 | 4046356681797   |
| Weight per Piece (excluding packing) | 5.938 g   |
| Weight per piece (including packing) | 6.500 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |
| Sales Key                            | A1 - Terminal Strips  |

### Technical data

#### General

|                       |                     |
|-----------------------|---------------------|
| Number of positions   | 1                   |
| Number of levels      | 1                   |
| Number of connections | 2                   |
| Potentials            | 1                   |
| Nominal cross section | 2.5 mm <sup>2</sup> |
| Color                 | yellow              |
| Insulating material   | PA                  |

# Feed-through terminal block - PT 2,5 YE - 3209511

## Technical data

### General

|   |   |
|---|---|
| Flammability rating according to UL 94                                  | V0  |
| Area of application   | Railway industry                                      |
|   | Machine building                                      |
|   | Plant engineering                                     |
|   | Process industry                                      |
| Rated surge voltage   | 8 kV  |
| Degree of pollution   | 3   |
| Overvoltage category  | III   |
| Insulating material group   | I   |
| Maximum power dissipation for nominal condition                         | 0.77 W  |
| Maximum load current  | 28 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>  | 24 A (at 2.5 mm <sup>2</sup> )                        |
| Nominal voltage U <sub>N</sub>  | 800 V   |
| Open side panel   | Yes   |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C  |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C  |
| Static insulating material application in cold                          | -60 °C  |
| Behavior in fire for rail vehicles (DIN 5510-2)                         | Test passed   |
| Flame test method (DIN EN 60695-11-10)                                  | V0  |
| Oxygen index (DIN EN ISO 4589-2)  | >32 %   |
| NF F16-101, NF F10-102 Class I  | 2   |
| NF F16-101, NF F10-102 Class F  | 2   |
| 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  |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg  |
| 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   |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 5.2 mm  |
| End cover width  | 2.2 mm  |
| Length           | 48.5 mm |
| Height NS 35/7,5 | 36.5 mm |
| Height NS 35/15  | 44 mm   |

### Connection data

|                                  |                    |
|----------------------------------|--------------------|
| Connection method                | Push-in connection |
| Connection in acc. with standard | IEC 60947-7-1      |

# Feed-through terminal block - PT 2,5 YE - 3209511

## Technical data

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.  | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 26                   |
| Conductor cross section AWG max.  | 12                   |
| Conductor cross section flexible min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.   | 2.5 mm <sup>2</sup>  |
| Min. AWG conductor cross section, flexible  | 26                   |
| Max. AWG conductor cross section, flexible  | 14                   |
| 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.              | 2.5 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.                 | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>  |
| Connection in acc. with standard  | IEC/EN 60079-7       |
| Conductor cross section solid min.  | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.  | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 26                   |
| Conductor cross section AWG max.  | 12                   |
| Conductor cross section flexible min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.   | 2.5 mm <sup>2</sup>  |
| Stripping length  | 8 mm ... 10 mm       |
| Internal cylindrical gage   | A3                   |

### Standards and Regulations

|  |   |
|--|---|
| Connection in acc. with standard                       | CSA   |
|  | IEC 60947-7-1                                   |
| Flammability rating according to UL 94                 | V0  |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Circuit diagram



# Feed-through terminal block - PT 2,5 YE - 3209511

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141121 |
| eCl@ss 4.1 | 27141121 |
| eCl@ss 5.0 | 0        |
| 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 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |
| ETIM 6.0 | EC000897 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / ABS / VDE Zeichengenehmigung / IECEx CB Scheme / NK / DNV GL / LR / EAC / cULus Recognized

#### Ex Approvals

ATEX / IECEx / EAC Ex / UL Recognized / cUL Recognized / cULus Recognized

### Approval details

|                            |   |   |       |
|----------------------------|---|---|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                            | B   | C   |       |
| mm <sup>2</sup> /AWG/kcmil | 26-12   | 26-12   |       |
| Nominal current IN         | 20 A  | 20 A  |       |

# Feed-through terminal block - PT 2,5 YE - 3209511

## Approvals

|                    |       |       |
|--------------------|-------|-------|
|                    | B     | C     |
| Nominal voltage UN | 600 V | 600 V |

|                    |       |   |              |
|--------------------|-------|---|--------------|
| UL Recognized      |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                    | B     | C   |              |
| mm²/AWG/kcmil      | 26-12 | 26-12   |              |
| Nominal current IN | 20 A  | 20 A  |              |
| Nominal voltage UN | 600 V | 600 V   |              |

|                    |       |   |              |
|--------------------|-------|---|--------------|
| cUL Recognized     |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                    | B     | C   |              |
| mm²/AWG/kcmil      | 26-12 | 26-12   |              |
| Nominal current IN | 20 A  | 20 A  |              |
| Nominal voltage UN | 600 V | 600 V   |              |

|     |  |   |                  |
|-----|--|---|------------------|
| ABS |  | <a href="http://www.eagle.org/eagleExternalPortalWEB/">http://www.eagle.org/eagleExternalPortalWEB/</a> | 16-HG1591536-PDA |
|-----|--|---|------------------|

|                        |  |   |          |
|------------------------|--|---|----------|
| VDE Zeichengenehmigung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40032222 |
|                        |  |   |          |
| mm²/AWG/kcmil          |  | 0.2-2.5   |          |
| Nominal current IN     |  | 24 A  |          |
| Nominal voltage UN     |  | 800 V   |          |


|                    |  |   |              |
|--------------------|--|---|--------------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-55660/M2 |
|                    |  |   |              |
| mm²/AWG/kcmil      |  | 0.2-2.5   |              |
| Nominal voltage UN |  | 800 V   |              |

|    |  |   |          |
|----|--|---|----------|
| NK |  | <a href="http://www.classnk.or.jp/hp/en/">http://www.classnk.or.jp/hp/en/</a> | 14ME0912 |
|----|--|---|----------|


|        |   |              |
|--------|---|--------------|
| DNV GL | <a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a> | TAE0000UD_01 |
|--------|---|--------------|

## Feed-through terminal block - PT 2,5 YE - 3209511

### Approvals

|    |   |   |          |
|----|---|---|----------|
| LR |  | <a href="http://www.lr.org/en">http://www.lr.org/en</a> | 10/20040 |
|----|---|---|----------|

|     |   |  |                          |
|-----|---|--|--------------------------|
| EAC |  |  | RU C-<br>DE.AI30.B.01102 |
|-----|---|--|--------------------------|

|                  |   |   |  |
|------------------|---|---|--|
| cULus Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> |  |
|------------------|---|---|--|