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# Feed-through terminal block - PT 2,5-QUATTRO GN - 3209582

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The illustration shows the version in gray

Feed-through terminal block, Connection method: Push-in connection, Number of connections: 4, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 35.3 mm, Color: green, 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
- Tested for railway applications

## Key Commercial Data

| | |
|---|---|
| Packing unit | 50 STK |
| GTIN | 4 055626 064444 |
| GTIN | 4055626064444 |

## Technical data

### General

| | |
|---|---|
| Number of levels | 1 |
| Number of connections | 4 |
| Potentials | 1 |
| Nominal cross section | 2.5 mm² |
| Color | green |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |

# Feed-through terminal block - PT 2,5-QUATTRO GN - 3209582

## Technical data

### General

| | |
|---|---|
| | 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 mm² conductor cross section) |
| Nominal current $I_N$ | 24 A (at a conductor cross section of 2.5 mm²; it must not be exceeded by the total current.) |
| Nominal voltage $U_N$ | 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)) | 125 °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) | 27,5 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 | 72.2 mm |
| Height | 35.3 mm |
| Height NS 35/7,5 | 36.8 mm |
| Height NS 35/15 | 44.3 mm |

### Connection data

| | |
|---|---|
| Connection method | Push-in connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 4 mm² |

# Feed-through terminal block - PT 2,5-QUATTRO GN - 3209582

## Technical data

### Connection data

| | |
|---|---|
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 12 |
| Conductor cross section flexible min. | 0.14 mm² |
| Conductor cross section flexible max. | 2.5 mm² |
| 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 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 12 |
| Stripping length | 8 mm ... 10 mm |
| Internal cylindrical gage | A3 |

### Standards and Regulations

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

### Environmental Product Compliance

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

## Drawings

Circuit diagram



## Approvals

### Approvals

Approvals

CSA / UL Recognized / cUL Recognized / BV / RS / ABS / IECEE CB Scheme / EAC / NK / VDE approval of drawings / DNV GL / LR / GL / cULus Recognized

Ex Approvals

ATEX / IECEx / EAC Ex

# Feed-through terminal block - PT 2,5-QUATTRO GN - 3209582

## Approvals

### Approval details

| | | | |
|---|---|---|---|
| CSA |  | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 26-12 | 26-12 |
| Nominal current IN | 20 A | 20 A |
| Nominal voltage UN | 600 V | 600 V |

| | | | |
|---|---|---|---|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | 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 |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | 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 |

| | | | |
|---|---|---|---|
| BV |  | http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials | 25278/B0 BV |

| | | | |
|---|---|---|---|
| RS |  | http://www.rs-head.spb.ru/en/index.php | 11.04057.250 |

| | | |
|---|---|---|
| ABS | http://www.eagle.org/eagleExternalPortalWEB/ | 16-HG1591536-PDA |

| | | | |
|---|---|---|---|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-55660/M2 |

| | |
|---|---|
| mm²/AWG/kcmil | 0.2-2.5 |
| Nominal voltage UN | 800 V |

# Feed-through terminal block - PT 2,5-QUATTRO GN - 3209582

## Approvals

| | | |
|---|---|---|
| EAC | | EAC-Zulassung |

| | | |
|---|---|---|
| NK | http://www.classnk.or.jp/hp/en/ | 14ME0912 |

| | | |
|---|---|---|
| VDE approval of drawings | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40032222 |

| | |
|---|---|
| mm²/AWG/kcmil | 0.2-2.5 |
| Nominal current IN | 24 A |
| Nominal voltage UN | 800 V |

| | | |
|---|---|---|
| DNV GL | http://exchange.dnv.com/tari/ | TAE00000UD_01 |

| | | |
|---|---|---|
| LR | http://www.lr.org/en | 10/20040 |

| | | |
|---|---|---|
| GL | http://exchange.dnv.com/tari/ | 2040111 HH |

| | | |
|---|---|---|
| cULus Recognized | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | |



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