

Feed-through terminal block - PT 16 N BU - 3212142

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Feed-through terminal block, Connection method: Push-in connection, Cross section: 0.5 mm² - 25 mm², AWG: 20 - 4, Width: 12.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15

The illustration shows the gray version

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 | 1 STK |
| Minimum order quantity | 50 STK |
| Weight per Piece (excluding packing) | 31.200 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

General

| | |
|-----------------------|--------------------|
| Number of levels | 1 |
| Number of connections | 2 |
| Potentials | 1 |
| Nominal cross section | 16 mm ² |
| Color | blue |
| Insulating material | PA |

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Technical data

General

| | |
|---|--|
| Flammability rating according to UL 94 | V0 |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum load current | 85 A (with 25 mm ² conductor cross section) |
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 1000 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 | 12.2 mm |
| End cover width | 2.2 mm |
| Length | 75.4 mm |
| Height NS 35/7,5 | 52.6 mm |
| Height NS 35/15 | 60.1 mm |

Connection data

| | |
|-------------------|--------------------|
| Connection method | Push-in connection |
|-------------------|--------------------|

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Technical data

Connection data

| | |
|---|---------------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 25 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 4 |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 16 mm ² |
| Min. AWG conductor cross section, flexible | 20 |
| Max. AWG conductor cross section, flexible | 6 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 16 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm ² |
| Stripping length | 18 mm |
| Internal cylindrical gage | A7 |

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

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Approvals


Approvals

VDE Zeichengenehmigung / IECCE CB Scheme / UL Recognized / cUL Recognized / EAC / CSA / EAC / BV / LR / DNV GL / PRS / cULus Recognized


Ex Approvals

ATEX / IECEx


Approval details

VDE Zeichengenehmigung  <http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx> 40040917


| | |
|--------------------------------|--------|
| mm ² /AWG/kcmil | 0.5-16 |
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 1000 V |

IECEE CB Scheme  <http://www.iecee.org/> DE1-55471

| | |
|--------------------------------|--------|
| mm ² /AWG/kcmil | 0.5-16 |
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 1000 V |

UL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 60425

| | B | C |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 20-4 | 20-4 |
| Nominal current I _N | 85 A | 85 A |
| Nominal voltage U _N | 600 V | 600 V |

cUL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 60425


| | B | C |
|--------------------------------|------|------|
| mm ² /AWG/kcmil | 20-4 | 20-4 |
| Nominal current I _N | 85 A | 85 A |

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Approvals

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

EAC EAC-Zulassung

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

| | B | C |
|----------------------------|-------|-------|
| mm ² /AWG/kcmil | 20-4 | 20-4 |
| Nominal current IN | 70 A | 70 A |
| Nominal voltage UN | 600 V | 600 V |


EAC 7500651.22.01.00246

BV <http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials/37796/A2/BV>

LR [http://www.lr.org/en/12/20038\(E2\)](http://www.lr.org/en/12/20038(E2))

DNV GL <https://www.dnvgl.com/TAE000010T>

PRS <http://www.prs.pl/TE/2107/880590/16>

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