

Feed-through terminal block - PT 1,5/S-QUATTRO - 3208197

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: Push-in connection, Cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, Width: 3.5 mm, Height: 30.5 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- ✓ 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 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 5.2 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

General

| | |
|--|---------------------|
| Number of levels | 1 |
| Number of connections | 4 |
| Nominal cross section | 1.5 mm ² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Area of application | Railway industry |

Feed-through terminal block - PT 1,5/S-QUATTRO - 3208197

Technical data

General

| | |
|---|-------------------------------------|
| | Mechanical engineering |
| | Plant engineering |
| Rated surge voltage | 6 kV |
| Pollution degree | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Connection in acc. with standard | IEC 60947-7-1 |
| Maximum load current | 17.5 A |
| Nominal current I_N | 17.5 A |
| Nominal voltage U_N | 500 V |
| Open side panel | ja |
| Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection | guaranteed |
| Finger protection | guaranteed |
| Result of surge voltage test | Test passed |
| Surge voltage test setpoint | 7.3 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Power frequency withstand voltage setpoint | 1.89 kV |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed |
| Result of bending test | Test passed |
| Bending test rotation speed | 10 rpm |
| Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.14 mm ² / 0.2 kg |
| | 1.5 mm ² / 0.4 kg |
| Tensile test result | Test passed |
| Conductor cross section tensile test | 0.14 mm ² |
| Tractive force setpoint | 10 N |
| Conductor cross section tensile test | 1.5 mm ² |
| Tractive force setpoint | 40 N |
| Result of tight fit on support | Test passed |
| Tight fit on carrier | NS 35 |
| Setpoint | 1 N |
| Result of voltage-drop test | Test passed |
| Requirements, voltage drop | ≤ 3.2 mV |
| Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed |

Feed-through terminal block - PT 1,5/S-QUATTRO - 3208197

Technical data

General

| | |
|---|--|
| Conductor cross section short circuit testing | 1.5 mm ² |
| Short-time current | 0.18 kA |
| Result of aging test | Test passed |
| Ageing test for screwless modular terminal block temperature cycles | 192 |
| Result of thermal test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| Oscillation, broadband noise test result | Test passed |
| Test specification, oscillation, broadband noise | DIN EN 50155 (VDE 0115-200):2008-03 |
| Test spectrum | Service life test category 2, bogie mounted |
| Test frequency | f ₁ = 5 Hz to f ₂ = 250 Hz |
| ASD level | 6.12 (m/s ²) ² /Hz |
| Acceleration | 3.12 g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Shock test result | Test passed |
| Test specification, shock test | DIN EN 50155 (VDE 0115-200):2008-03 |
| Shock form | Half-sine |
| Acceleration | 30g |
| Shock duration | 18 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| 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 |

Dimensions

| | |
|------------------|---------|
| Width | 3.5 mm |
| End cover width | 2.2 mm |
| Length | 63.2 mm |
| Height | 30.5 mm |
| Height NS 35/7,5 | 32 mm |
| Height NS 35/15 | 39.5 mm |

Connection data

| | |
|------------------------------------|----------------------|
| Connection method | Push-in connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |

Feed-through terminal block - PT 1,5/S-QUATTRO - 3208197

Technical data

Connection data

| | |
|--|----------------------|
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 14 |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| 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 ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1 mm ² |
| Stripping length | 8 mm ... 10 mm |
| Internal cylindrical gage | A1 / B1 |

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 | 27141125 |
| eCl@ss 5.1 | 27141125 |
| eCl@ss 6.0 | 27141125 |
| eCl@ss 7.0 | 27141125 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

UNSPSC

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

Feed-through terminal block - PT 1,5/S-QUATTRO - 3208197

Classifications

UNSPSC

| | |
|--------------|----------|
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

Approvals

Approvals

Approvals


UL Recognized / cUL Recognized / CSA / LR / GL / VDE Zeichengenehmigung / IECCEB Scheme / EAC / BV / EAC / cULus Recognized


Ex Approvals

IECEX / ATEX / EAC Ex

Approvals submitted


Approval details

| | | | |
|---|-------|-------|-------|
| UL Recognized  | | | |
| | B | C | D |
| mm ² /AWG/kcmil | 26-14 | 26-14 | 26-14 |
| Nominal current I _N | 15 A | 15 A | 5 A |
| Nominal voltage U _N | 300 V | 300 V | 600 V |

| | | | |
|--|-------|-------|-------|
| cUL Recognized  | | | |
| | B | C | D |
| mm ² /AWG/kcmil | 26-14 | 26-14 | 26-14 |
| Nominal current I _N | 15 A | 15 A | 5 A |
| Nominal voltage U _N | 300 V | 300 V | 600 V |


Feed-through terminal block - PT 1,5/S-QUATTRO - 3208197


Approvals

| | | | |
|---|-------|-------|-------|
| CSA  | | | |
| | B | C | D |
| mm ² /AWG/kcmil | 26-14 | 26-14 | 26-14 |
| Nominal current I _N | 15 A | 15 A | 5 A |
| Nominal voltage U _N | 300 V | 300 V | 600 V |

LR

GL


| | |
|--|----------|
| VDE Zeichengenehmigung  | |
| | |
| mm ² /AWG/kcmil | 0.14-1.5 |
| Nominal current I _N | 17.5 A |
| Nominal voltage U _N | 500 V |

| | |
|---|----------|
| IECEE CB Scheme  | |
| | |
| mm ² /AWG/kcmil | 0.14-1.5 |
| Nominal voltage U _N | 500 V |

EAC

BV

EAC

| | |
|--|--|
| cULus Recognized  | |
|--|--|

Drawings

Feed-through terminal block - PT 1,5/S-QUATTRO - 3208197

Circuit diagram

