

XT 2,5 - Feed-through terminal block



1343106

<https://www.phoenixcontact.com/in/products/1343106>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 2, number of positions: 1, connection method: Push-X-connection, Rated cross section: 2.5 mm², cross section: 0.5 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1343106 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE2 |
| Product key | BE2511 |
| GTIN | 4063151654740 |
| Weight per piece (including packing) | 6.636 g |
| Weight per piece (excluding packing) | 6.093 g |
| Customs tariff number | 85369010 |
| Country of origin | CN |

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Technical data

Product properties

| | |
|-----------------------|-----------------------------|
| Product type | Feed-through terminal block |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| | Process industry |
| Number of positions | 1 |
| Number of connections | 2 |
| Number of rows | 1 |
| Potentials | 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 ² |
| Stripping length | 10 mm ... 12 mm |
| Internal cylindrical gage | A3 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section rigid | 0.5 mm ² ... 4 mm ² |
| Cross section AWG | 20 ... 12 (converted acc. to IEC) |
| Conductor cross section flexible | 0.75 mm ² ... 4 mm ² |
| Conductor cross section, flexible [AWG] | 18 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm ² ... 2.5 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.5 mm ² ... 2.5 mm ² |
| Nominal current | 24 A |
| Maximum load current | 27 A (with 4 mm ² conductor cross section, rigid) |
| Nominal voltage | 800 V |
| Nominal cross section | 2.5 mm ² |

Dimensions

| | |
|--------------------|---------|
| Width | 5.2 mm |
| End cover width | 2.2 mm |
| Height | 48.6 mm |
| Depth | 35.3 mm |
| Depth on NS 35/7,5 | 36.8 mm |

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| | |
|-------------------|---------|
| Depth on NS 35/15 | 44.3 mm |
|-------------------|---------|

Material specifications

| | |
|--|-----------------|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |
| Static insulating material application in cold | -60 °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 |
| 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 |

Electrical tests

Surge voltage test

| | |
|-----------------------|-------------|
| Test voltage setpoint | 9.8 kV |
| Result | Test passed |

Temperature-rise test

| | |
|--|--------------------------------|
| Requirement temperature-rise test | Increase in temperature ≤ 45 K |
| Result | Test passed |
| Short-time withstand current 2.5 mm ² | 0.3 kA |
| Result | Test passed |

Power-frequency withstand voltage

| | |
|-----------------------|-------------|
| Test voltage setpoint | 2 kV |
| Result | Test passed |

Mechanical properties

Mechanical data

| | |
|-----------------|-----|
| Open side panel | Yes |
|-----------------|-----|

Mechanical tests

Mechanical strength

| | |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

Attachment on the carrier

| | |
|-------------------------|-------------|
| DIN rail/fixing support | NS 35 |
| Result | Test passed |

Test for conductor damage and slackening