

Marshalling panel - PTRV 4 /WH - 3270115

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Marshalling panel, Nom. voltage: 250 V, Nominal current: 10 A, Cross section: 0.14 mm² - 2.5 mm², AWG: 12 - 26, Connection type: Push-in connection, Width: 8.3 mm, Length: 64 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15

Product Features

- High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- Individual color assignment of cable and terminal point to ensure error-free, safe operation
- Tool-free wiring in a confined space thanks to compact size
- The 2.3 mm test connection enables testing between the conductors with test pins commonly used in the industry



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 10 pc |
| Weight per Piece (excluding packing) | 3.6 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

General

| | |
|--|---------------------|
| Number of levels | 4 |
| Number of connections | 16 |
| Nominal cross section | 1.5 mm ² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 6 kV |
| Overvoltage category | III |
| Insulating material group | I |

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Technical data

General

| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-1 |
| Maximum load current | 10 A (with 1.5 mm ² conductor cross section) |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 250 V |
| Open side panel | Yes |
| 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 | 4.8 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Power frequency withstand voltage setpoint | 1.5 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 |
| | 2.5 mm ² / 0.7 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 |
| Conductor cross section tensile test | 2.5 mm ² |
| Tractive force setpoint | 50 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 | ≤ 6,4 mV |
| Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed |
| Conductor cross section short circuit testing | 1.5 mm ² |
| Short-time current | 0.18 kA |
| Result of aging test | Test passed |

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Technical data

General

| | |
|---|--|
| 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 | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level | $6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$ |
| 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)) | 125 °C |
| Static insulating material application in cold | -60 °C |

Dimensions

| | |
|------------------|---------|
| Width | 8.3 mm |
| Length | 64 mm |
| Height NS 35/7,5 | 55.5 mm |
| Height NS 35/15 | 63 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. | 2.5 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 12 |
| 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 |

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Technical data

Connection data

| | |
|--|----------------------|
| 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. | 1.5 mm ² |
| Stripping length | 8 mm ... 10 mm |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | 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 | 27141120 |
| 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

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|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

UNSPSC

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

Approvals

Approvals

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Approvals

Approvals

UL Recognized / cUL Recognized

Ex Approvals

Approvals submitted

Approval details

| UL Recognized | |
|--------------------------------|-------|
| | D |
| mm ² /AWG/kcmil | 26-14 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 300 V |

| cUL Recognized | |
|--------------------------------|-------|
| | D |
| mm ² /AWG/kcmil | 26-14 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 300 V |

Drawings

Circuit diagram

