**PHŒNIX CONTACT**

# Marshalling patchboard - PTMC 1,5-2 /VT - 3270435

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)

Marshalling patchboard, Nom. voltage: 500 V, Nominal current: 17.5 A, Cross section: 0.14 mm² - 2.5 mm², AWG: 12 - 26, Connection type: Push-in connection, Number of positions: 1, Number of connections: 4, Width: 11 mm, Length: 8.6 mm, Color: gray, Color of connection elements: violet, Assembly: for snapping onto a DIN rail adapter, for snapping onto a cover flange

Image shows the version in gray

## Why buy this product

☑ 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

☑ Color configuration possible according to VDE 0812, VDE 0815, DIN 47100 or unlimited.

☑ Tool-free wiring in a confined space thanks to compact size

☑ Individual setup thanks to modular principle

☑ Suitable for DIN rail mounting and panel cutouts with corresponding accessories

**RoHS**

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 STK |
| Minimum order quantity | 10 STK |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

## Technical data

### Environmental Product Compliance

| | |
|---|---|
| China RoHS | No hazardous substances above threshold values |

### General

| | |
|---|---|
| Number of positions | 1 |
| Number of levels | 1 |
| Number of connections | 4 |
| Nominal cross section | 1.5 mm² |

**PHŒNIX CONTACT**

# Marshalling patchboard - PTMC 1,5-2 /VT - 3270435

## Technical data

### General

| | |
|---|---|
| Color | gray |
| Color of connection elements | violet |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 4 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum load current | 24 A (with a 2.5 mm² conductor cross section) |
| Nominal current $I_N$ | 17.5 A |
| Nominal voltage $U_N$ | 500 V |
| Open side panel | No |
| 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) | 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 | 11 mm |
| Length | 8.6 mm |
| Height | 30 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 |

# Marshalling patchboard - PTMC 1,5-2 /VT - 3270435

## Technical data

### Connection data

| | |
|---|---|
| Conductor cross section solid max. | 2.5 mm² |
| 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. | 1.5 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. | 1.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm² |
| Stripping length | 8 mm ... 10 mm |
| Internal cylindrical gage | A1 |

### Standards and Regulations

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

## Drawings

Circuit diagram



## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 5.1 | 27141124 |
| eCl@ss 6.0 | 27141124 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

### ETIM

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

## Accessories

### Accessories

Labeled terminal marker

09/09/2016   Page 3 / 9

# Marshalling patchboard - PTMC 1,5-2 /VT - 3270435

## Accessories

Zack marker strip - ZB 10 CUS - 0824941

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

Zack marker strip - ZB10,LGS:FORTL.ZAHLEN - 1053014

Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

Zack marker strip - ZB10,QR:FORTL.ZAHLEN - 1053027

Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

Zack marker strip - ZB10,LGS:GLEICHE ZAHLEN - 1053030

Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Identical numbers 1 or 2, etc. up to 100, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

Marker for terminal blocks - ZB10,LGS:L1-N,PE - 1053412

Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

**PHŒNIX CONTACT**

# Marshalling patchboard - PTMC 1,5-2 /VT - 3270435

## Accessories

Marker for terminal blocks - ZB10,LGS:U-N - 1053438

Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: U, V, W, N, GND, U, V, W, N, GND, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

Marker for terminal blocks - UC-TM 10 CUS - 0824605

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 9.6 x 10.5 mm

Marker for terminal blocks - UCT-TM 10 CUS - 0829623

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 8.9 x 9.6 mm

Zack Marker strip, flat - ZBF10 CUS - 0825031

Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

Zack Marker strip, flat - ZBF10,LGS:FORTL.ZAHLEN - 0810009

Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into flat marker groove, for terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

# Marshalling patchboard - PTMC 1,5-2 /VT - 3270435

## Accessories

Zack Marker strip, flat - ZBF10,QR:FORTL.ZAHLEN - 0810025

Zack Marker strip, flat, Strip, white, labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into flat marker groove, for terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

---

Marker for terminal blocks - UC-TMF 10 CUS - 0824662

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 10.2 mm, Lettering field: 9.6 x 5.1 mm

---

Marker for terminal blocks - UCT-TMF 10 CUS - 0829679

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 10.2 mm, Lettering field: 9.4 x 4.7 mm

---

Marker for terminal blocks - TMT 10 R CUS - 0824500

Marker for terminal blocks, can be ordered: By line, white, labeled according to customer specifications, Mounting type: Snap into universal marker groove, Snap into flat marker groove, for terminal block width: 10.2 mm, Lettering field: 6.35 x 10.15 mm

---

## Mounting material

Flange cover - DF-PTMC-O - 3270400

Flange cover, for direct mounting above, Length: 30 mm, Width: 22 mm, Height: 13 mm, Color: gray

---

**PHŒNIX CONTACT**

# Marshalling patchboard - PTMC 1,5-2 /VT - 3270435

## Accessories

Flange cover - DF-PTMC-U - 3270401

Flange cover, for direct mounting below, Length: 29.1 mm, Width: 22 mm, Height: 12.8 mm, Color: gray

Adapter - DF-PTMC-NS - 3270403

Adapter, for mounting on a DIN rail, Length: 64 mm, Width: 22 mm, Color: gray

Marker adapter - DF-PTMC-ZB - 3270410

Marker adapter, for accommodating the marking, Length: 30 mm, Width: 11 mm, Height: 13 mm, Color: gray

## Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Screwdriver - ST-BW 0 - 1200135

Actuation tool, for all 1.5 mm² spring cages from PT 1,5/S and FT 1,5/S

**PHŒNIX CONTACT**

# Marshalling patchboard - PTMC 1,5-2 /VT - 3270435

## Accessories

### Terminal marking

Zack marker strip - ZB 10:UNBEDRUCKT - 1053001

Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.5 x 10.15 mm

Marker for terminal blocks - UC-TM 10 - 0818069

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 9.6 x 10.5 mm

Marker for terminal blocks - UCT-TM 10 - 0829142

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, THERMOMARK PRIME, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 8.9 x 9.6 mm

Zack Marker strip, flat - ZBF10:UNBEDRUCKT - 0809997

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

Marker for terminal blocks - UC-TMF 10 - 0818124

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 10.2 mm, Lettering field: 9.6 x 5.1 mm

# Marshalling patchboard - PTMC 1,5-2 /VT - 3270435

## Accessories

Marker for terminal blocks - UCT-TMF 10 - 0829204

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, THERMOMARK PRIME, Mounting type: Snap into flat marker groove, for terminal block width: 10.2 mm, Lettering field: 9.4 x 4.7 mm

Marker for terminal blocks - TMT 10 R - 0816210

Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X, THERMOMARK S1.1, Perforated, Mounting type: Snap into universal marker groove, Snap into flat marker groove, for terminal block width: 10.2 mm, Lettering field: 6.35 x 10.15 mm

单击下面可查看定价，库存，交付和生命周期等信息

>>Phoenix Contact(菲尼克斯)