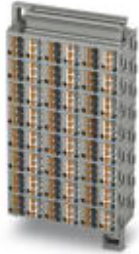


## Marshalling patchboard - PTMC 1,5/48-3 - 3270318

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Marshalling patchboard, Nom. voltage: 500 V, Nominal current: 17.5 A, Cross section: 0.14 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG: 12 - 26, Connection type: Push-in connection, Number of positions: 48, Number of connections: 288, Width: 66 mm, Length: 102 mm, Color: gray, Color of connection elements: gray/white, Assembly: Wall mounting

### Why buy this product

- ✓ For mounting in a panel cutout
- ✓ High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- ✓ Tool-free wiring in a confined space thanks to compact size
- ✓ Clear representation of actuation and terminal points through vertical conductor routing

### Key Commercial Data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 STK    |
| Custom tariff number | 85366990 |
| Country of origin    | Poland   |

### Technical data

#### Environmental Product Compliance

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

#### General

|                              |                     |
|------------------------------|---------------------|
| Note                         | Labeled from 1 - 48 |
| Number of positions          | 48                  |
| Number of levels             | 1                   |
| Number of connections        | 288                 |
| Nominal cross section        | 1.5 mm <sup>2</sup> |
| Color                        | gray                |
| Color of connection elements | gray/white          |
| Insulating material          | PA                  |

# Marshalling patchboard - PTMC 1,5/48-3 - 3270318

## Technical data

### General

|   |   |
|---|---|
| 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  | 22 A (With a conductor cross section of 2.5 mm <sup>2</sup> and extensive wiring)           |
|   | 12 A (With a conductor cross section of 2.5 mm <sup>2</sup> and wiring in a confined space) |
| Nominal current I <sub>N</sub>  | 17.5 A  |
| Nominal voltage U <sub>N</sub>  | 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  | 66 mm  |
| Length | 102 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 mm <sup>2</sup> |
| Conductor cross section solid max. | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 26                   |

# Marshalling patchboard - PTMC 1,5/48-3 - 3270318

## Technical data

### Connection data

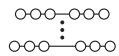
|  |                      |
|--|----------------------|
| Conductor cross section AWG max.   | 12                   |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 1.5 mm <sup>2</sup>  |
| 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 <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 1.5 mm <sup>2</sup>  |
| Stripping length   | 8 mm ... 10 mm       |
| Internal cylindrical gage  | A1                   |

### Standards and Regulations

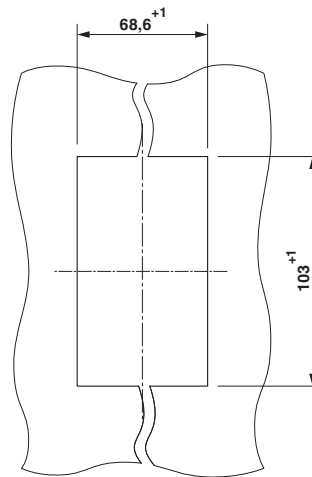
|  |               |
|--|---------------|
| Connection in acc. with standard       | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

## Drawings

Circuit diagram



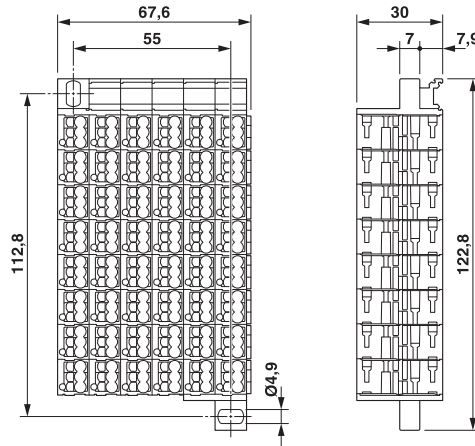
Dimensional drawing



Panel cutout

# Marshalling patchboard - PTMC 1,5/48-3 - 3270318

Dimensional drawing



## 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

Bridge

Wire bridge - DB 50- 90 BU - 2821180

Wire bridge, Color: blue

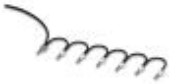


## Marshalling patchboard - PTMC 1,5/48-3 - 3270318

### Accessories

Wire bridge - DB 50- 90 BK - 2820916

Wire bridge, Color: black



Wire bridge - DB 50- 90 GY - 2820929

Wire bridge, Color: gray



Wire bridge - DB 50- 90 RD - 2864639

Wire bridge, Color: red



### 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

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

## Marshalling patchboard - PTMC 1,5/48-3 - 3270318

### Accessories

Adapter - DF-PTMC-NS - 3270403



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

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Marker adapter - DF-PTMC-ZB - 3270410



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

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### 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

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Screwdriver - ST-BW 0 - 1200135



Actuation tool, for all 1.5 mm<sup>2</sup> spring cages from PT 1,5/S and FT 1,5/S

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