

## Patch panels - FL-PP-RJ45-SC - 2901643

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Patch panel, one RJ45 jack to 8 screw connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail adapter, IP20, option of shield contacting to the DIN rail via jumpers

### Product Description


Ethernet patch panels enable quick and easy connection between the field cabling and control cabinet cabling. The passive termination panels are a convenient alternative to the on-site assembly of RJ45 connectors.

### Your advantages

- Safe shield connection to ground potential
- 10/100/1000 Mbps
- Mounting on a DIN rail
- CAT5e
- Optional shield connection via jumpers
- Shipbuilding approval in accordance with DNV GL
- PoE-capable in accordance with IEEE 802.3bt, type 4



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 10 pc   |
| Minimum order quantity               | 10 pc   |
| GTIN                                 | <br>4 046356 623391 |
| GTIN                                 | 4046356623391   |
| Weight per Piece (excluding packing) | 58.080 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |
| Sales Key                            | DNC331  |

### Technical data

#### Note

|                         |   |
|-------------------------|---|
| Utilization restriction | Use in potentially explosive areas is not permitted in China. |
|-------------------------|---|

## Patch panels - FL-PP-RJ45-SC - 2901643

### Technical data

#### Dimensions

|        |       |
|--------|-------|
| Width  | 29 mm |
| Height | 90 mm |
| Depth  | 53 mm |

#### Ambient conditions

|   |                                |
|---|--------------------------------|
| Ambient temperature (operation)         | -25 °C ... 70 °C               |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C               |
| Permissible humidity (operation)        | 25 % ... 95 % (non-condensing) |
| Degree of protection                    | IP20                           |

#### General

|                         |   |
|-------------------------|---|
| External cable diameter | 6 mm ... 10 mm  |
| Net weight              | 58.08 g   |
| Housing material        | PVC / PA  |
| Color                   | green   |
| MTBF                    | 6702 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))     |
|                         | 2962 Years (Telcordia standard, 40°C temperature, 34.25% operating cycle (5 days a week, 12 hours a day)) |

#### Interfaces

|                                       |  |
|---------------------------------------|--|
| Interface 1                           | Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3 |
| No. of ports                          | 1  |
| Connection method                     | Screw connection   |
| Transmission length                   | 100 m (including patch cables)   |
| Conductor cross section solid min.    | 0.14 mm <sup>2</sup>   |
| Conductor cross section solid max.    | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min. | 0.14 mm <sup>2</sup>   |
| Conductor cross section flexible max. | 1 mm <sup>2</sup>  |
| Conductor cross section AWG min.      | 26   |
| Conductor cross section AWG max.      | 16   |
| Torque                                | 0.22 Nm ... 0.25 Nm  |
| Pin assignment                        | 1:1  |
| Serial transmission speed             | 10/100/1000 Mbps   |
| Interface 2                           | Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3 |
| No. of ports                          | 1  |
| Connection method                     | RJ45 CAT5e   |

#### Conformance/approvals

|                 |   |
|-----------------|---|
| Designation     | ATEX  |
| Identification  | # II 3 G Ex nA IIC Gc U   |
| Additional text | Please follow the special installation instructions in the documentation! |

<https://www.phoenixcontact.com/gb/products/2901643>

## Patch panels - FL-PP-RJ45-SC - 2901643

### Technical data

#### Conformance/approvals

|                |   |
|----------------|---|
| Designation    | Corrosive gas test  |
| Identification | ISA-S71.04-1985 G3 Harsh Group A  |
| Designation    | Shipbuilding  |
| Identification | DNV GL  |
| Temperature    | B   |
| Humidity       | A   |
| Vibration      | A   |
| EMC            | B   |
| Enclosure      | Required protection according to the Rules shall be provided upon installation on board |

#### Standards and Regulations

|              |  |
|--------------|--|
| Type of test | Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 |
| Test result  | 5g, 10...150 Hz, 2.5 h, in XYZ direction                     |
| Type of test | Shock in acc. with EN 60068-2-27/IEC 60068-2-27              |
| Test result  | 25g, 11 ms period, half-sine shock pulse                     |

#### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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