

FL-PP-RJ45/RJ45 - Patch panel

2901646

<https://www.phoenixcontact.com/us/products/2901646>



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Patch panel, two RJ45 jacks (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
- CAT5e
- 10/100/1000 Mbps
- Mounting on a DIN rail
- Easy and convenient extension for RJ45 cable
- Optional shield connection via jumpers
- Shipbuilding approval in accordance with DNV GL
- PoE-capable in accordance with IEEE 802.3bt, type 4

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 2901646 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | DN07 |
| Product key | DNC331 |
| Catalog page | Page 363 (C-6-2019) |
| GTIN | 4046356622806 |
| Weight per piece (including packing) | 54.57 g |
| Weight per piece (excluding packing) | 57.26 g |
| Customs tariff number | 85366990 |
| Country of origin | US |

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Technical data

Notes

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

Product properties

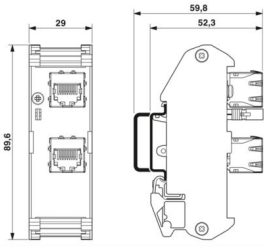
| | |
|--------------|--|
| Product type | Patch panel |
| MTBF | 6702 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day)) 2962 Years (Telcordia standard, 40°C temperature, 34.25% operating cycle (5 days a week, 12 hours a day)) |

Interfaces

| | |
|--|--------------------------------|
| Data: Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3 | |
| Serial transmission speed | 10/100/1000 Mbps |
| Connection method | RJ45 CAT5e |
| No. of channels | 1 |
| Pin assignment | 1:1 |
| Transmission length | 100 m (including patch cables) |

| | |
|--|------------|
| Data: Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3 | |
| Connection method | RJ45 CAT5e |
| No. of channels | 1 |

Dimensions

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

Material specifications

| | |
|------------------|------------------|
| Color (Housing) | green (RAL 6021) |
| Material Housing | PVC / PA |

Cable/line

| | |
|-----------------|-------|
| Cable impedance | 100 Ω |
|-----------------|-------|

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Mechanical properties

Mechanical data

| | |
|-----------------------------|--------|
| Insertion/withdrawal cycles | ≤ 2500 |
|-----------------------------|--------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|--------------------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 70 °C |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C |
| Ambient temperature (assembly) | -10 °C ... 70 °C |
| Permissible humidity (operation) | 25 % ... 95 % (non-condensing) |

Approvals

ATEX

| | |
|----------------|---|
| Identification | Ex II 3 G Ex ec IIC Gc |
| Certificate | PxCIF14ATEX2901642U |
| Note | Please follow the special installation instructions in the documentation! |

UKEX

| | |
|----------------|------------------------|
| Identification | Ex II 3 G Ex ec IIC Gc |
| Certificate | PxCIMA21UKEX2901642U |

Corrosive gas test

| | |
|----------------|----------------------------------|
| Identification | ISA-S71.04-1985 G3 Harsh Group A |
|----------------|----------------------------------|

Shipbuilding

| | |
|----------------|--------|
| Identification | DNV GL |
|----------------|--------|

DNV GL data

| | |
|-------------|---|
| Temperature | B |
| Humidity | A |
| Vibration | A |
| EMC | B |
| Enclosure | Required protection according to the Rules shall be provided upon installation on board |

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 19170112 |
| ECLASS-12.0 | 19170112 |
| ECLASS-13.0 | 19170112 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002697 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43223309 |
|-------------|----------|

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Environmental product compliance

| | |
|------------|--|
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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