

# PP-RJ-RJ - Patch panel



2703015

<https://www.phoenixcontact.com/us/products/2703015>

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 documentation. Our general terms of use for downloads are valid.



Patch panel, two RJ45 jacks, CAT6, 10/100/1000 Mbps, DIN rail adapter, IP20

## Product description

This product is the successor to FL-PP-RJ45/RJ45, item no. 2901646. 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

- 10/100/1000 Mbps, CAT6
- Extended temperature range of -40 °C ... +75 °C
- PoE-capable in accordance with IEEE 802.3bt, type 4

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2703015       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DN07          |
| Product key                          | DNC334        |
| GTIN                                 | 4055626462868 |
| Weight per piece (including packing) | 60.1 g        |
| Weight per piece (excluding packing) | 58.82 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

# PP-RJ-RJ - Patch panel



2703015  
<https://www.phoenixcontact.com/us/products/2703015>

## Technical data

### Notes

|                     |                         |
|---------------------|-------------------------|
| Note on application |                         |
| Note on application | Only for industrial use |

### Product properties

|              |              |
|--------------|--------------|
| Product type | Patch panel  |
| MTTF         | 105699 Years |

|                            |    |
|----------------------------|----|
| Insulation characteristics |    |
| Overvoltage category       | II |
| Pollution degree           | 2  |

### Electrical properties

|                                                 |                                                  |
|-------------------------------------------------|--------------------------------------------------|
| Maximum power dissipation for nominal condition | 0 W (passive module, no supply voltage required) |
| Rated insulation voltage                        | 85 V DC                                          |

### Interfaces

|                                                                              |                                |
|------------------------------------------------------------------------------|--------------------------------|
| Data: Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3 |                                |
| Serial transmission speed                                                    | 10/100/1000 Mbps               |
| Frequency range                                                              | 250 MHz                        |
| Connection method                                                            | RJ45 jack                      |
| Note on the connection method                                                | CAT6                           |
| Pin assignment                                                               | 1:1                            |
| Transmission length                                                          | 100 m (including patch cables) |
| Transmission medium                                                          | Copper                         |
| Output nominal voltage                                                       | < 57 V DC                      |
| Maximum output power                                                         | 60 W                           |
| Maximum output current                                                       | 725 mA (Per channel)           |

|                                                                              |           |
|------------------------------------------------------------------------------|-----------|
| Data: Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3 |           |
| Connection method                                                            | RJ45 jack |

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
|---------------------|--|

# PP-RJ-RJ - Patch panel



2703015

<https://www.phoenixcontact.com/us/products/2703015>

|        |          |
|--------|----------|
| Width  | 23.8 mm  |
| Height | 101.3 mm |
| Depth  | 50 mm    |

## Material specifications

|                                        |                       |
|----------------------------------------|-----------------------|
| Color (Housing)                        | light gray (RAL 7035) |
| Material (Housing)                     | Plastic               |
| Flammability rating according to UL 94 | V0                    |

## Mechanical tests

|                                                                    |                                                                          |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6 | Operation: 10 Hz ... 57 Hz, amplitude $\pm 3.5$ mm, 57 Hz ... 150 Hz, 5g |
| Shock in accordance with EN 60068-2-27/IEC 60068-2-27              | Operation: 30g for 11 ms, three shocks in each spatial direction         |
| Continuous shock in accordance with EN 60068-2-27/IEC 60068-2-27   | Operation: 10g for 16 ms, 1000 shocks in each spatial direction          |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                                                                                             |
|-----------------------------------------|---------------------------------------------------------------------------------------------|
| Degree of protection                    | IP20 (Manufacturer's declaration)                                                           |
| Ambient temperature (operation)         | -40 °C ... 75 °C                                                                            |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C                                                                            |
| Altitude                                | $\leq 5000$ m (For restrictions, see the manufacturer's declaration for altitude operation) |
| Permissible humidity (operation)        | 10 % ... 95 % (non-condensing)                                                              |

## Approvals

### CE

|             |              |
|-------------|--------------|
| Certificate | CE-compliant |
|-------------|--------------|

### UL

|                |                 |
|----------------|-----------------|
| Identification | UL 61010 Listed |
|----------------|-----------------|

## Mounting

|               |                                                                                  |
|---------------|----------------------------------------------------------------------------------|
| Mounting type | DIN rail mounting, stationary                                                    |
| Assembly note | The product can be snapped onto all 35 mm DIN rails in accordance with EN 60715. |

# PP-RJ-RJ - Patch panel

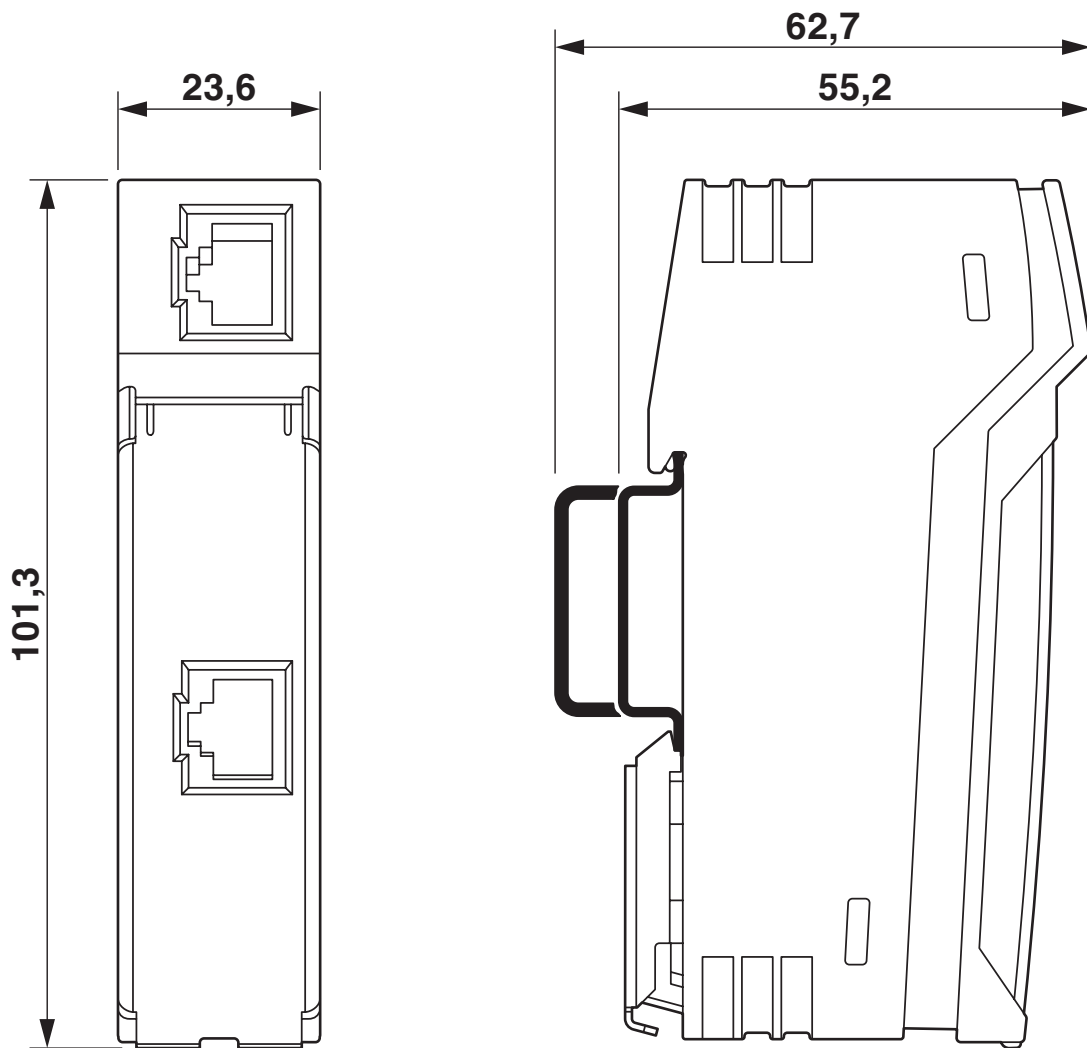
2703015

<https://www.phoenixcontact.com/us/products/2703015>



## Drawings

### Dimensional drawing



Compact housing

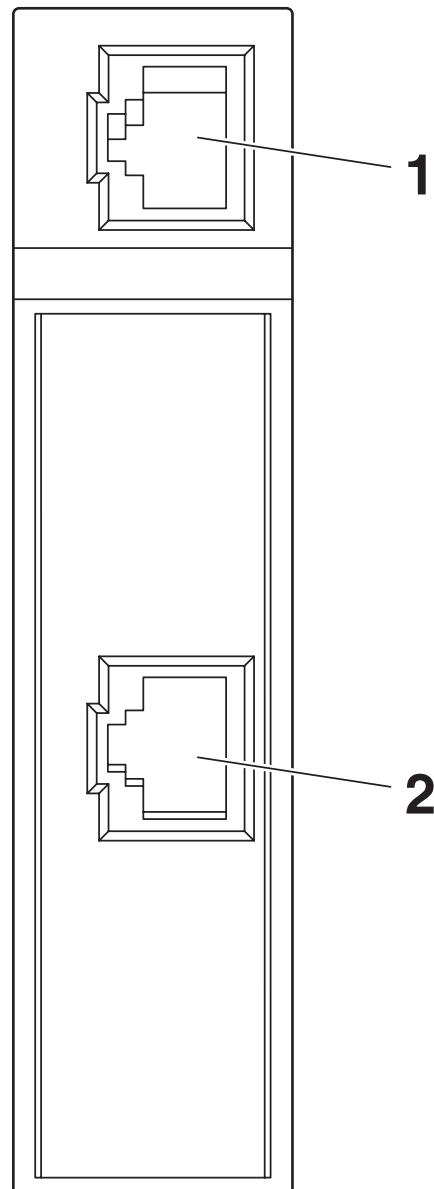
# PP-RJ-RJ - Patch panel

2703015

<https://www.phoenixcontact.com/us/products/2703015>



Schematic diagram



Front view

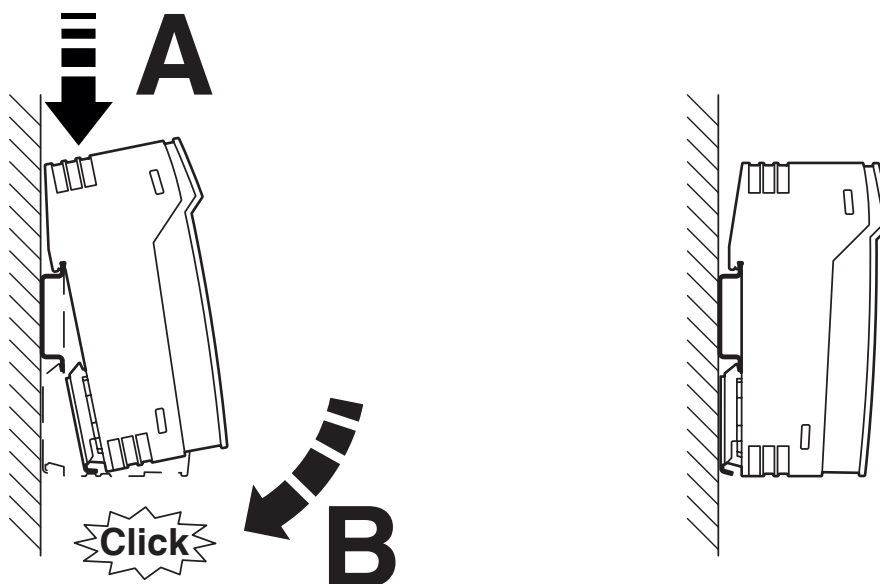
# PP-RJ-RJ - Patch panel

2703015

<https://www.phoenixcontact.com/us/products/2703015>

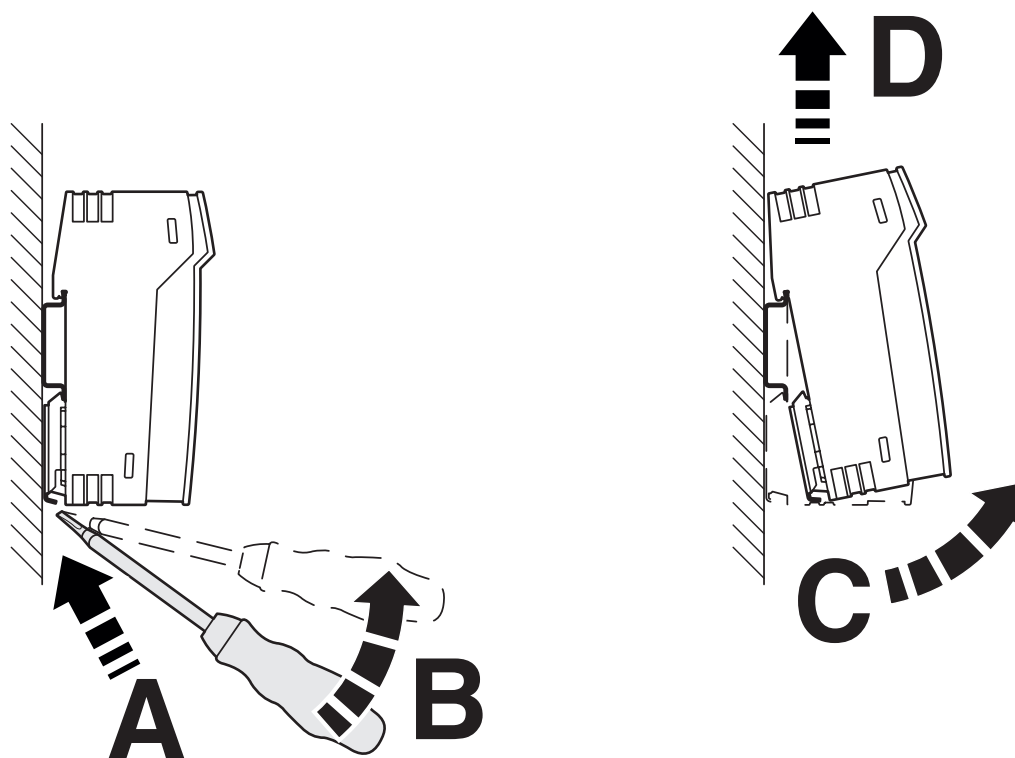


Schematic diagram



Mounting on a DIN rail

Schematic diagram



Removal

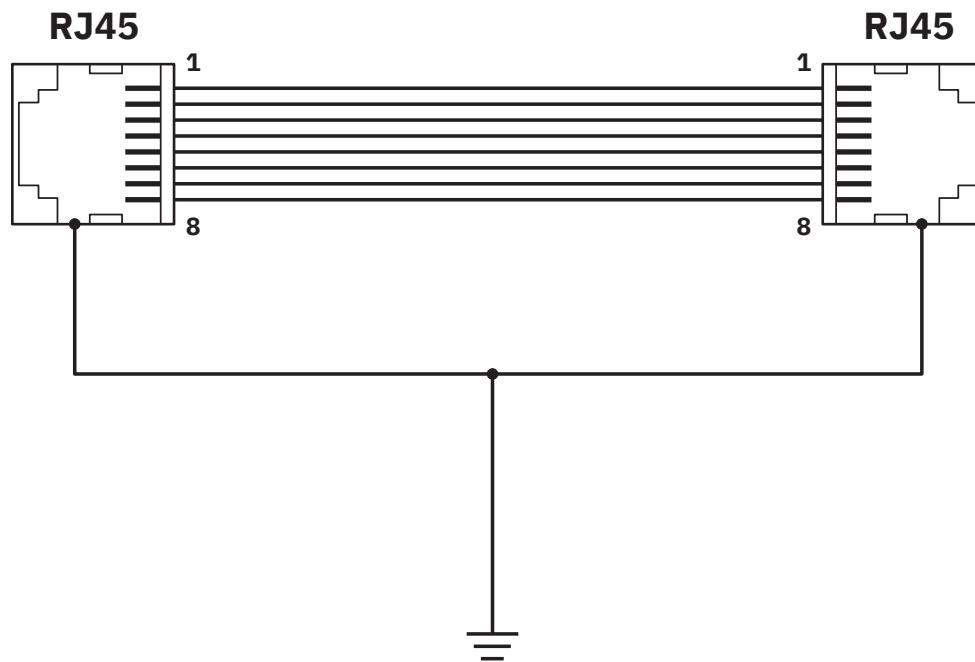
# PP-RJ-RJ - Patch panel

2703015

<https://www.phoenixcontact.com/us/products/2703015>



Circuit diagram



# PP-RJ-RJ - Patch panel



2703015

<https://www.phoenixcontact.com/us/products/2703015>

## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2703015>



**cULus Listed**

Approval ID: E238705

# PP-RJ-RJ - Patch panel



2703015

<https://www.phoenixcontact.com/us/products/2703015>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19170112 |
| ECLASS-15.0 | 19170112 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001128 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43223300 |
|-------------|----------|

# PP-RJ-RJ - Patch panel



2703015  
<https://www.phoenixcontact.com/us/products/2703015>

## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |
| EF3.1 Climate Change                    |                                          |
| CO2e kg                                 | 2.644 kg CO2e                            |

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)