

# FL-PP-RJ45-SCC/SC045 - Patch panel



2904577

<https://www.phoenixcontact.com/us/products/2904577>

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Cable sharing module, two RJ45 jacks with Ethernet assignment (cable outlet on the top) to 8 spring-cage connection terminal blocks, CAT5e, 10/100 Mbps, DIN rail mounting, IP20, option of shield contacting on 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 Mbps
- Mounting on a DIN rail
- Cable sharing adapter
- Y adapter
- Easy use of one cable for various services
- Optional shield connection via jumpers

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2904577       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DN07          |
| Product key                          | DNC331        |
| GTIN                                 | 4046356864541 |
| Weight per piece (including packing) | 99.7 g        |
| Weight per piece (excluding packing) | 106.4 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | US            |

## Technical data

### Notes

#### Note on application

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

### Product properties

|              |             |
|--------------|-------------|
| Product type | Patch panel |
|--------------|-------------|

#### Insulation characteristics: Air clearances and creepage distances

|                      |                  |
|----------------------|------------------|
| Insulation           | Basic insulation |
| Overvoltage category | II               |
| Pollution degree     | 2                |

### Electrical properties

#### Air clearances and creepage distances

|                          |        |
|--------------------------|--------|
| Rated insulation voltage | 50 V   |
| Rated surge voltage      | 0.5 kV |

### Interfaces

#### Data: Ethernet interface, 10/100Base-T(X) in accordance with IEEE 802.3

|  |   |
|--|---|
| Serial transmission speed                  | 10/100 Mbps                                 |
| Connection method                          | Spring-cage connection                      |
| No. of channels                            | 1   |
| Pin assignment                             | 1, 2, 3, 6<br>4, 5, 7, 8                    |
| Transmission length                        | 100 m (including patch cables)              |
| Single conductor/terminal point, rigid     | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Single-wire/terminal point, flexible       | 0.2 mm <sup>2</sup> ... 1 mm <sup>2</sup>   |
| Single-wire/terminal point, rigid AWG max. | 16  |
| Single-wire/terminal point, rigid AWG min. | 24  |

#### Data: Ethernet interface, 10/100Base-T(X) in accordance with IEEE 802.3

|                   |                          |
|-------------------|--------------------------|
| Connection method | RJ45 CAT5e               |
| No. of channels   | 1                        |
| Pin assignment    | 1, 2, 3, 6<br>1, 2, 3, 6 |

### Dimensions

|        |       |
|--------|-------|
| Width  | 56 mm |
| Height | 90 mm |
| Depth  | 51 mm |

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## Material specifications

|                 |                  |
|-----------------|------------------|
| Color (Housing) | green (RAL 6021) |
|-----------------|------------------|

## Cable/line

|                         |                |
|-------------------------|----------------|
| External cable diameter | 6 mm ... 10 mm |
| Cable impedance         | 100 Ω          |

## Mechanical properties

### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≤ 200 |
|-----------------------------|-------|

## Environmental and real-life conditions

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP20             |
| Ambient temperature (operation) | -10 °C ... 50 °C |

## Approvals

### Corrosive gas test

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

## Standards and regulations

### Air clearances and creepage distances

|                       |              |
|-----------------------|--------------|
| Standards/regulations | DIN EN 50178 |
|-----------------------|--------------|

## Mounting

|                   |                   |
|-------------------|-------------------|
| Mounting type     | DIN rail mounting |
| Mounting position | any               |

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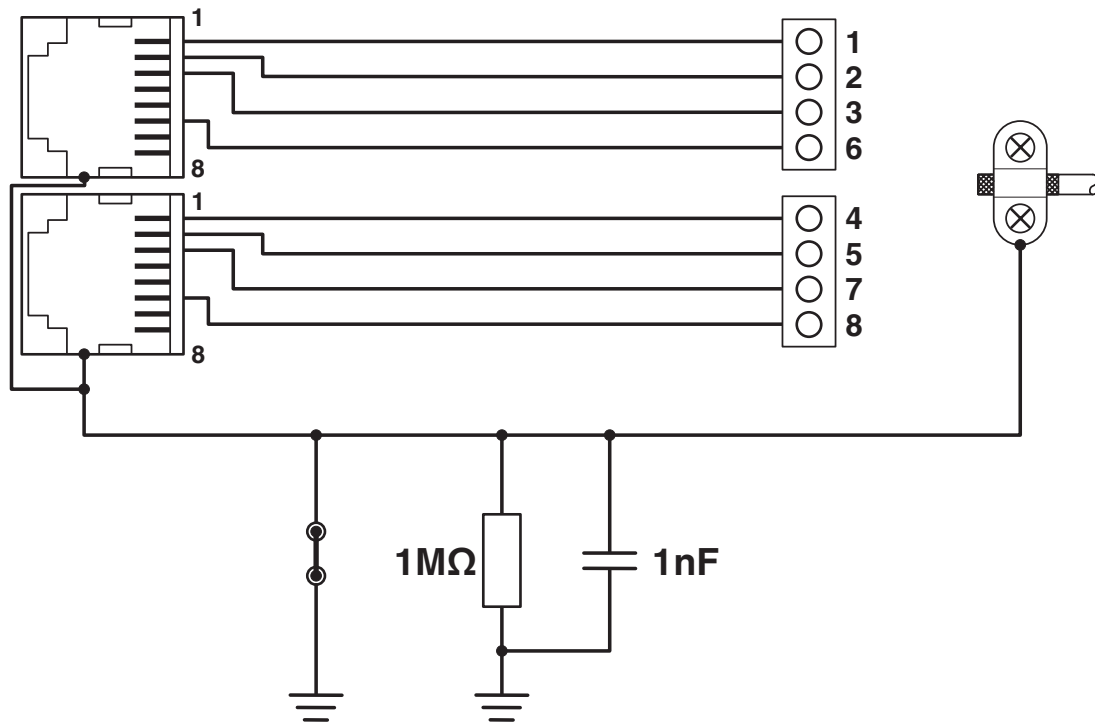


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## Drawings

Circuit diagram

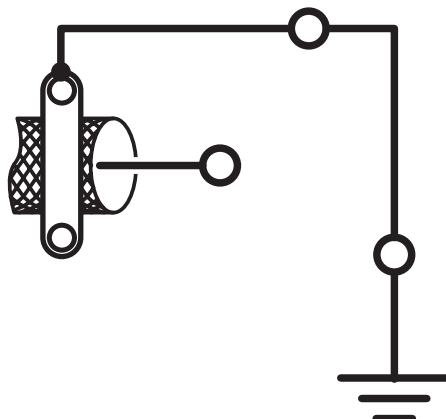


Circuit diagram

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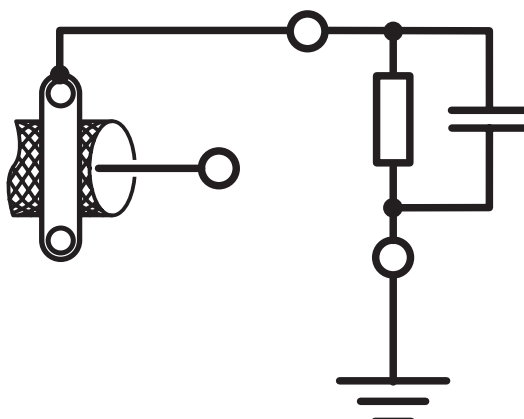
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Circuit diagram



Shield connection direct to PE

Circuit diagram



Shield connection to PE via RC element

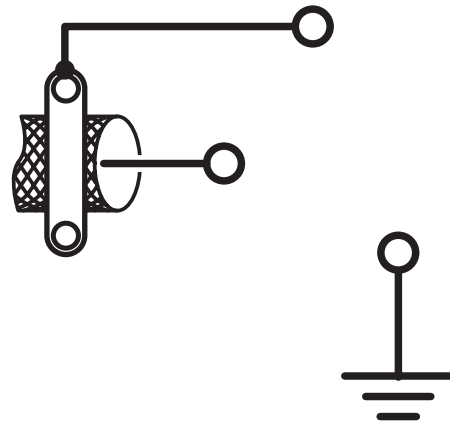
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Circuit diagram



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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## 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% |
|-------------------------------------|----------------------------|

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