

# 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

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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

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## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Product properties

Product type	Patch panel
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#### 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 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 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)
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## Cable/line

External cable diameter	6 mm ... 10 mm
Cable impedance	100 $\Omega$

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	$\leq 200$
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## 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
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## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN EN 50178
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## Mounting

Mounting type	DIN rail mounting
Mounting position	any

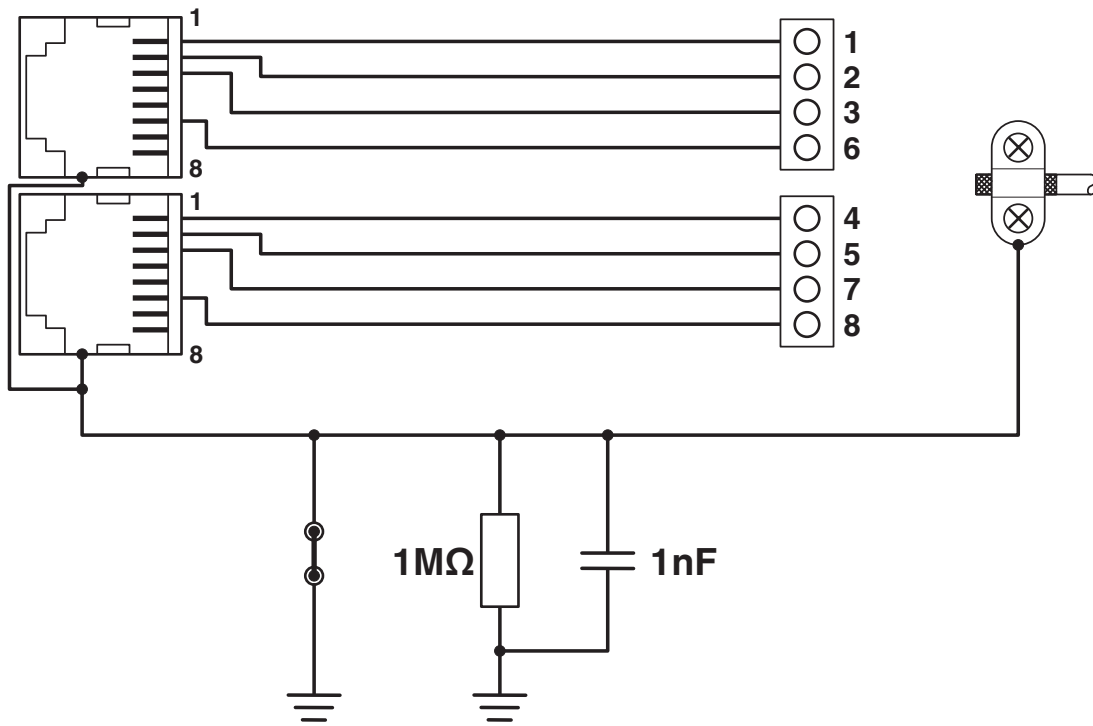
# FL-PP-RJ45-SCC/SC045 - Patch panel

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## Drawings

Circuit diagram

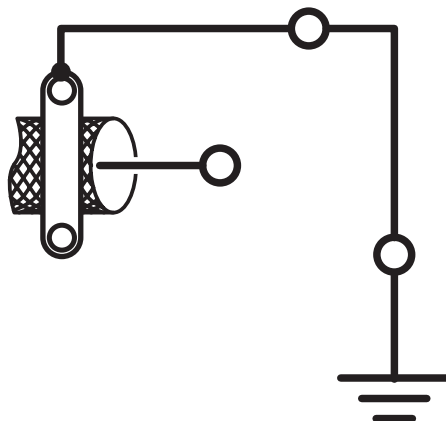


Circuit diagram

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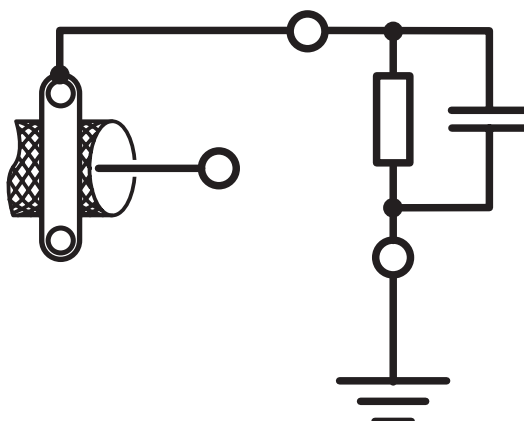
<https://www.phoenixcontact.com/us/products/2904577>

Circuit diagram



Shield connection direct to PE

Circuit diagram



Shield connection to PE via RC element

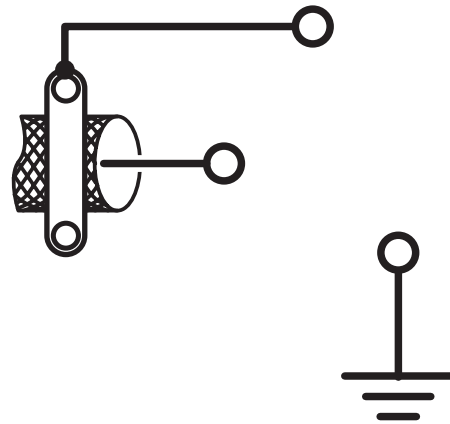
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Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	19170112
ECLASS-15.0	19170112

### ETIM

ETIM 10.0	EC001128
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### UNSPSC

UNSPSC 21.0	43223300
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)