

SACC-E-MINM-4CON-NPT12-U50/1,0 - Flush-type connector



1417775  
<https://www.phoenixcontact.com/ca/products/1417775>

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Flush-type connector, 4-position, Plug, straight, 7/8"-16UNF, on free cable end, Front mounting, with 1/2 inch-14 NPT mounting thread, Individual wires, cable length: 1 m, 2.50 mm<sup>2</sup>, PVC litz wire

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1417775                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF22                           |
| Product key                          | BF2ICA                         |
| GTIN                                 | 4055626403533                  |
| Weight per piece (including packing) | 130.8 g                        |
| Weight per piece (excluding packing) | 22.22 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | MX                             |

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## Technical data

### Notes

#### Trade restriction

CE note

The products are offered exclusively for export outside the EU and the European Economic Area.

### Mounting

Mounting type

Front mounting, with 1/2 inch-14 NPT mounting thread

### Product properties

Product type

Circular connectors (device side)

Number of positions

4

No. of cable outlets

1

Shielded

no

#### Insulation characteristics

Degree of pollution

3

### Material specifications

Flammability rating according to UL 94

V-0

Housing surface material

Al anodized

Contact material

Copper alloy

Contact surface material

Au

Contact carrier material

PVC

Material for screw connection

Anodized aluminum

### Electrical properties

Insulation resistance

$\geq 100 \text{ M}\Omega$

Nominal voltage  $U_N$

600 V AC

600 V DC

Nominal current  $I_N$

24 A (UL 2238)

7 A (UL 2237)

### Connection data

#### Conductor connection

Connection method

Individual wires

Contact connection type

Pin

Conductor cross section

$2.5 \text{ mm}^2$

Tightening torque

10 lbf·in.

1.12 Nm

### Mechanical properties

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## Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | > 500 |
|-----------------------------|-------|

## Connector

### Connection 1

|                   |            |
|-------------------|------------|
| Head design       | Plug       |
| Head cable outlet | straight   |
| Head thread type  | 7/8"-16UNF |

### Connection 2

|             |                |
|-------------|----------------|
| Head design | free cable end |
|-------------|----------------|

## Cable/line

|                                 |                                  |
|---------------------------------|----------------------------------|
| Cable length                    | 1 m                              |
| Cable type                      | PVC litz wire                    |
| Wire diameter incl. insulation  | 4.5 mm                           |
| Single wire, color              | black 1, white 2, red 3, green 4 |
| Cable cross section             | 2.5 mm <sup>2</sup>              |
| Conductor structure signal line | 41 x AWG 30                      |
| AWG signal line                 | 14                               |
| Material wire insulation        | PVC                              |
| Thickness, insulation           | Core insulation                  |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Degree of protection            | IP68                                         |
|                                 | IP68                                         |
| Ambient temperature (operation) | -20 °C ... 80 °C (Plug)                      |
|                                 | -20 °C ... 80 °C (cable, fixed installation) |

## Standards and regulations

|                      |                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Standard designation | 7/8" connector                                                                                                                               |
| Note                 | Suitable for use in Class I, Division 2 Groups A, B, C, D hazardous locations according to ISA standard 12.12.01-2015, section 8.2 and 8.8.3 |

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