

SACC-E-MINM-3CON-NPT12-U20/1,0 - Flush-type connector



1417769  
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Flush-type connector, 3-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, 1.50 mm<sup>2</sup>, PVC litz wire

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1417769       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF22          |
| Product key                          | BF2ICA        |
| GTIN                                 | 4055626341415 |
| Weight per piece (including packing) | 80 g          |
| Weight per piece (excluding packing) | 22.22 g       |
| Customs tariff number                | 85444290      |
| Country of origin                    | MX            |

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## Technical data

### Mounting

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

### Product properties

|                      |                                   |
|----------------------|-----------------------------------|
| Product type         | Circular connectors (device side) |
| Number of positions  | 3                                 |
| 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 $I_N$ | 13 A                       |

### Connection data

#### Conductor connection

|                         |                         |
|-------------------------|-------------------------|
| Connection method       | Individual wires        |
| Contact connection type | Pin                     |
| Conductor cross section | 1.5 mm <sup>2</sup>     |
| Tightening torque       | 10 lb <sub>F</sub> -in. |
|                         | 1.12 Nm                 |

### Mechanical properties

#### Mechanical data

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

### Connector

#### Connection 1

|             |      |
|-------------|------|
| Head design | Plug |
|-------------|------|

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|                   |            |
|-------------------|------------|
| 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  | 2.6 mm                    |
| Single wire, color              | green 1, black 2, white 3 |
| Cable cross section             | 1.5 mm <sup>2</sup>       |
| Conductor structure signal line | 26 x AWG 30               |
| AWG signal line                 | 16                        |
| 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                                                                                                                               |
| Standards/specifications | UL 2238                                                                                                                                      |
| 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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