

SACC-E-MINM-6CON-NPT12-U20/1,0 - Flush-type connector



1417772

<https://www.phoenixcontact.com/us/products/1417772>

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.



Flush-type connector, 6-position, Plug, straight, 7/8"-16UNF, on free cable end, Individual wires, cable length: 1 m, 1.50 mm², PVC litz wire

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1417772 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BF14 |
| Product key | AF2ICA |
| GTIN | 4055626341446 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 22.22 g |
| Customs tariff number | 85444290 |
| Country of origin | MX |

SACC-E-MINM-6CON-NPT12-U20/1,0 - Flush-type connector



1417772

<https://www.phoenixcontact.com/us/products/1417772>

Technical data

Mounting

| | |
|-------------------|-------------------------|
| Tightening torque | 10 lb _F -in. |
| | 1.12 Nm |

Product properties

| | |
|----------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Number of positions | 6 |
| No. of cable outlets | 1 |
| Shielded | no |

Insulation characteristics

| | |
|----------------------|----------------|
| Overvoltage category | UL 2238 Sec 38 |
| 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 | ≥ 100 MΩ |
| Nominal voltage U _N | 600 V AC/DC (UL rating) |
| | 50 V AC/DC (IEC rating) |
| Nominal current I _N | 8 A |

Connection data

Conductor connection

| | |
|-------------------------|-------------------------|
| Connection method | Individual wires |
| Contact connection type | Pin |
| Conductor cross-section | 1.5 mm ² |
| Tightening torque | 10 lb _F -in. |
| | 1.12 Nm |

Mechanical properties

Mechanical data

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

Connector

SACC-E-MINM-6CON-NPT12-U20/1,0 - Flush-type connector



1417772

<https://www.phoenixcontact.com/us/products/1417772>

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 | 2.6 mm |
| Single wire, color | white 1, red 2, green 3, orange 4, black 5, blue 6 |
| Cable cross section | 1.5 mm ² |
| 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) (male connector/female connector) | -20 °C ... 80 °C (Plug) |
| Ambient temperature (operation) | -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 |

SACC-E-MINM-6CON-NPT12-U20/1,0 - Flush-type connector



1417772

<https://www.phoenixcontact.com/us/products/1417772>

Drawings

Dimensional drawing



7/8" flush-type plug

Dimensional drawing



Housing cutout

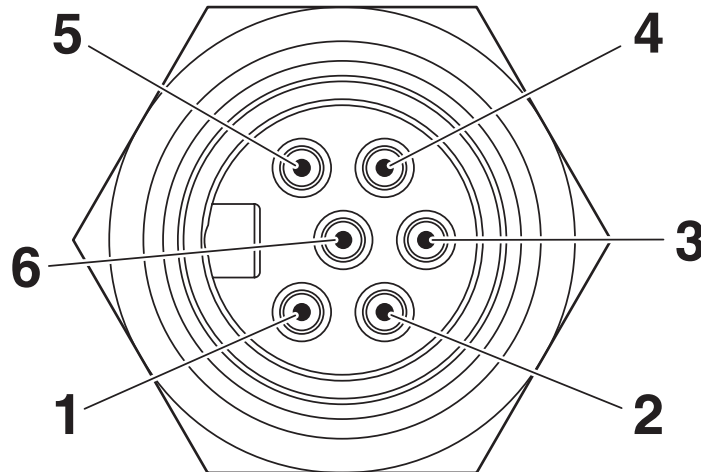
SACC-E-MINM-6CON-NPT12-U20/1,0 - Flush-type connector



1417772

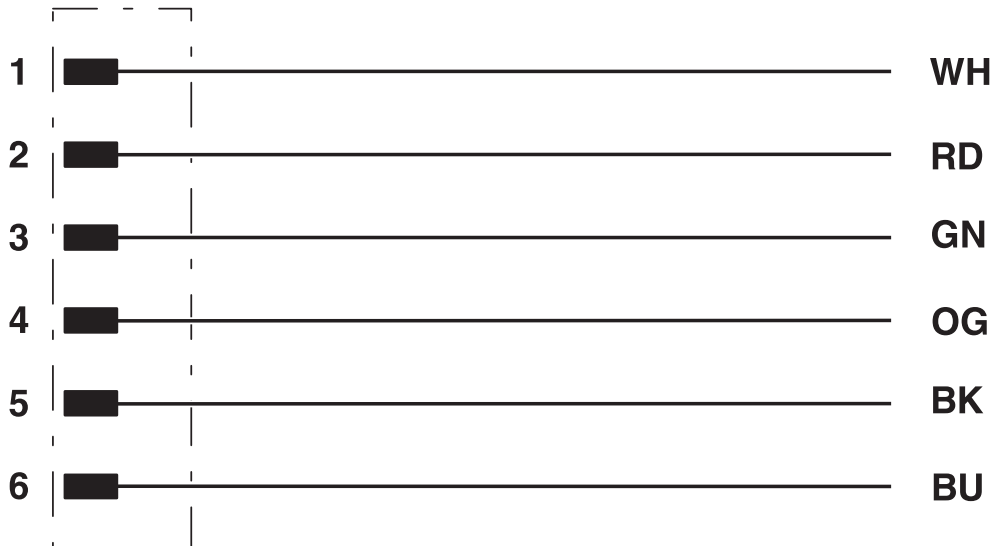
<https://www.phoenixcontact.com/us/products/1417772>

Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 6-pos., view of male side (reference image)

Circuit diagram



Contact assignment of the 7/8" plug

SACC-E-MINM-6CON-NPT12-U20/1,0 - Flush-type connector



1417772

<https://www.phoenixcontact.com/us/products/1417772>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417772>



UL Listed

Approval ID: FILE E 221474



cUL Listed

Approval ID: FILE E 221474

SACC-E-MINM-6CON-NPT12-U20/1,0 - Flush-type connector



1417772

<https://www.phoenixcontact.com/us/products/1417772>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440109 |
| ECLASS-15.0 | 27440109 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC003569 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121413 |
|-------------|----------|

SACC-E-MINM-6CON-NPT12-U20/1,0 - Flush-type connector



1417772

<https://www.phoenixcontact.com/us/products/1417772>

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 | 1.996 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