

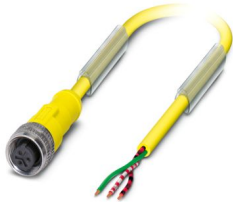
SAC-3P-MICFS/ 5,0-PUR - Sensor/actuator cable



1527016

<https://www.phoenixcontact.com/us/products/1527016>

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Sensor/actuator cable, 3-position, PUR/PVC, black-gray RAL 7021, free cable end, on Socket straight 1/2"-20UNF, coding: C, cable length: 5 m

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1527016 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BF09 |
| Product key | AF1EBA |
| GTIN | 4046356071840 |
| Weight per piece (including packing) | 222.22 g |
| Weight per piece (excluding packing) | 222.22 g |
| Customs tariff number | 85444290 |
| Country of origin | US |

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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. |
|---------|--|

Product properties

| | |
|----------------------|-----------------------|
| Product type | Sensor/actuator cable |
| Number of positions | 3 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | C |

Insulation characteristics

| | |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution | 3 |

Material specifications

| | |
|--|---|
| Flammability rating according to UL 94 | HB |
| Seal material | NBR |
| Material of grip body | TPU, hardly inflammable, self-extinguishing |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material for screw connection | Zinc die-cast, nickel-plated |

Electrical properties

| | |
|-----------------------|---------------------------|
| Insulation resistance | $\geq 10 \text{ M}\Omega$ |
| Nominal voltage U_N | 250 V AC |
| | 250 V DC |
| Nominal current I_N | 4 A |

Signaling

| | |
|------------------------|----|
| Status display | no |
| Status display present | no |

Connector

Connection 1

| | |
|------|----------------|
| Type | free cable end |
|------|----------------|

Connection 2

| | |
|---------------------|----------------------------|
| Type | Socket straight 1/2"-20UNF |
| Number of positions | 3 |

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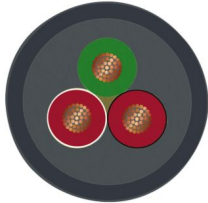
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| | |
|-------------|---|
| Coding type | C |
|-------------|---|

Cable/line

| | |
|--------------|-----|
| Cable length | 5 m |
|--------------|-----|

PUR/PVC black [350]

| | |
|---|--|
| Dimensional drawing |  |
| Cable weight | 37 kg/km |
| UL AWM Style | 20549 |
| Number of positions | 3 |
| Shielded | no |
| Cable type | PUR/PVC black [350] |
| Conductor structure signal line | 42x 0.10 mm |
| AWG signal line | 22 |
| Conductor cross-section | 0.34 mm ² |
| Wire diameter incl. insulation | 1.5 mm ±0.05 mm |
| External cable diameter | 5.20 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | black-gray RAL 7021 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | green, red-black, red-white |
| Thickness, insulation | approx. 0.30 mm (Core insulation) ≥ 0.38 mm (Outer cable sheath) |
| Max. conductor resistance | max. 58 Ω/km (at 20 °C) |
| Insulation resistance | ≤ 100 MΩ*km (at 20 °C) |
| Nominal voltage, cable | ≤ 300 V |
| Test voltage | ≥ 3000 V |
| Smallest bending radius, fixed installation | 52 mm |
| Smallest bending radius, movable installation | 52 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 2000000, Bending radius: 52 mm, Traversing path: 5 m, Traversing rate: 3 m/s |
| Flame resistance | in accordance with DIN UL-Style 20549 |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation) |

Environmental and real-life conditions

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Ambient conditions

| | |
|---------------------------------|--|
| Degree of protection | IP65 |
| | IP67 |
| | IP68 |
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| | -25 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

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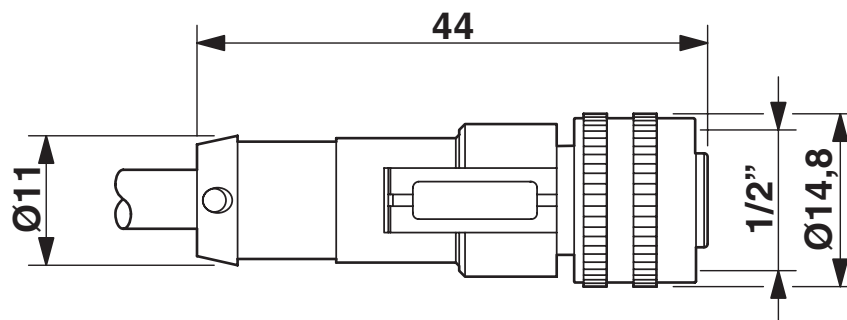


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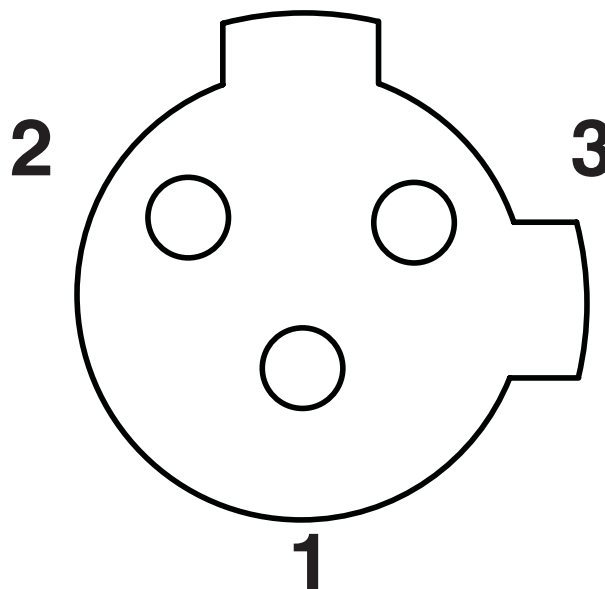
Drawings

Dimensional drawing



1/2"-20UNF socket, straight

Schematic diagram



Pin assignment 1/2"-20UNF socket, 2-pos., view female side

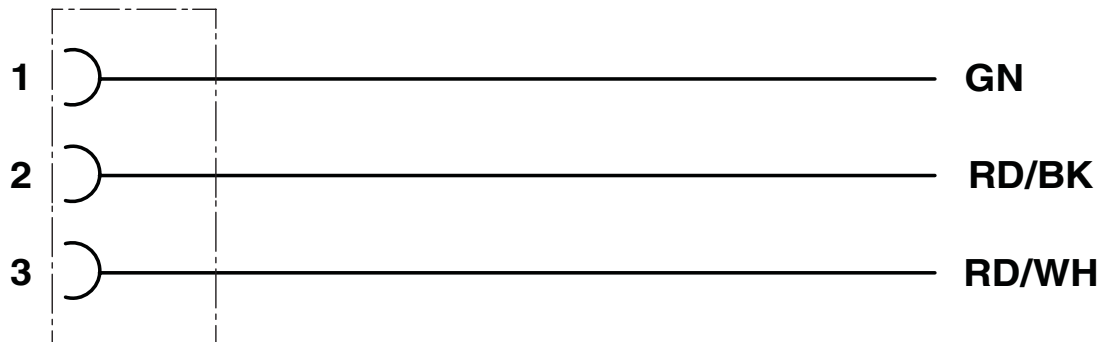
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Circuit diagram



Contact assignment of 1/2" UNF plugs / sockets

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1527016>

|  UL Listed Approval ID: FILE E 221474 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 300 V | 4 A | - | - |

|  cUL Listed Approval ID: FILE E 221474 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27060311 |
| ECLASS-15.0 | 27060311 |

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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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