

1526994  
<https://www.phoenixcontact.com/us/products/1526994>

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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: 1.5 m

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1526994                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF09                           |
| Product key                          | BF1EBA                         |
| GTIN                                 | 4046356071826                  |
| Weight per piece (including packing) | 104.3 g                        |
| Weight per piece (excluding packing) | 104.3 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | US                             |

# SAC-3P-MICFS/ 1,5-PUR - Sensor/actuator cable



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## Technical data

### 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 | ≥ 10 MΩ  |
| 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                          |
| Coding type         | C                          |

### Cable/line

|              |       |
|--------------|-------|
| Cable length | 1.5 m |
|--------------|-------|

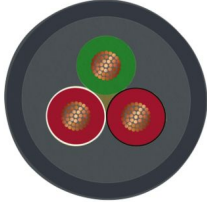
PUR/PVC black [350]

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|                                               |                                                                                                |
|-----------------------------------------------|------------------------------------------------------------------------------------------------|
| 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 <sup>2</sup>                                                                           |
| 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)<br>≥ 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                                                                                          |
| Max. bending cycles                           | 2000000                                                                                        |
| Flame resistance                              | in accordance with DIN UL-Style 20549                                                          |
| Ambient temperature (operation)               | -25 °C ... 80 °C (cable, fixed installation)<br>-5 °C ... 80 °C (Cable, flexible installation) |

## Environmental and real-life conditions

### Ambient conditions

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

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|  |                                                |
|--|------------------------------------------------|
|  | -5 °C ... 80 °C (Cable, flexible installation) |
|--|------------------------------------------------|

# SAC-3P-MICFS/ 1,5-PUR - Sensor/actuator cable

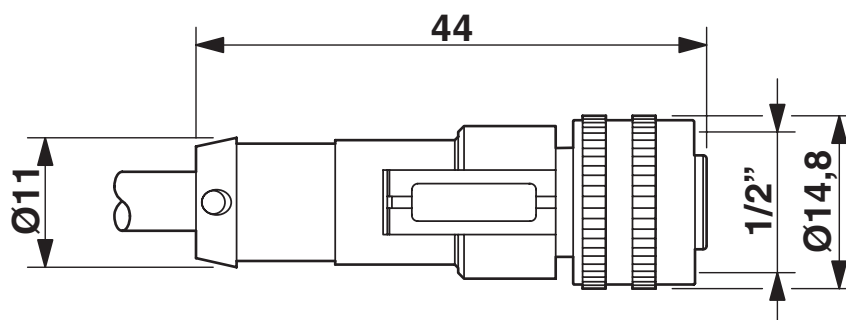


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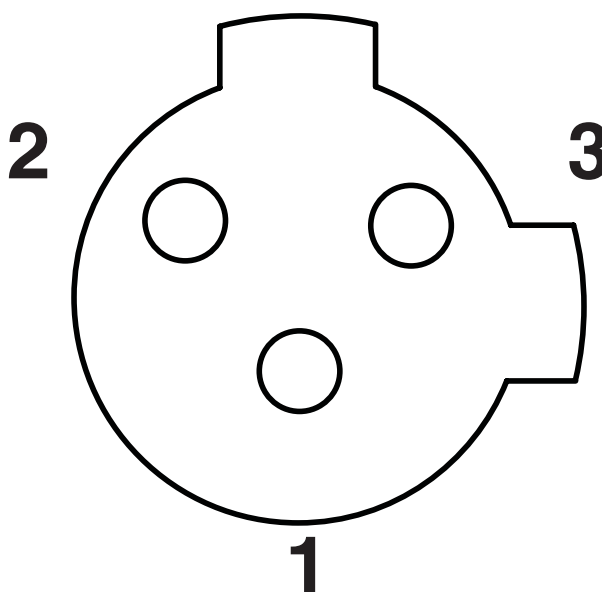
## Drawings

Dimensional drawing



1/2"-20UNF socket, straight

Schematic diagram



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

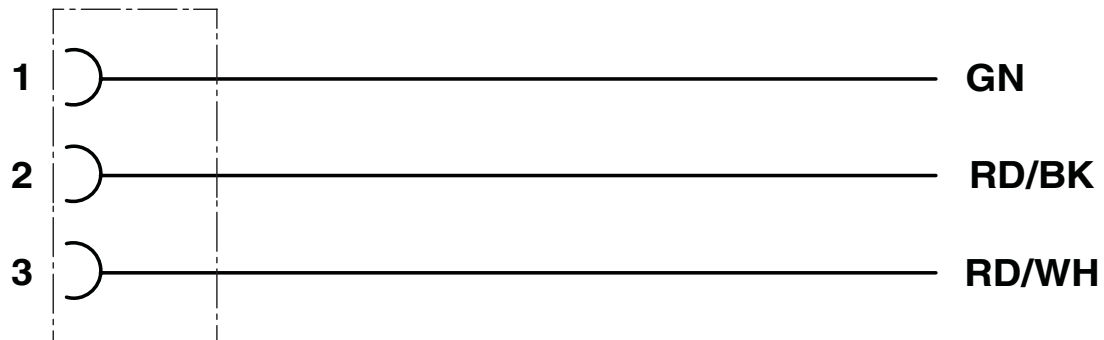
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Circuit diagram



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27060311 |
| ECLASS-13.0 | 27060311 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31251501 |
|-------------|----------|

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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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