

## Sensor/actuator cable - SAC-3P-MICFS/ 1,5-PUR - 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, C-coded, cable length: 1.5 m

RoHS

### Key Commercial Data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 5 STK                                                                                                   |
| Minimum order quantity | 25 STK                                                                                                  |
| GTIN                   | <br>4 046356 071826 |
| GTIN                   | 4046356071826                                                                                           |

### Technical data

#### Dimensions

|                                            |       |
|--------------------------------------------|-------|
| Length of cable                            | 1.5 m |
| Stripping length of the free conductor end | 50 mm |

#### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP65 |
|                      | IP67 |
|                      | IP68 |

#### General

|                       |                 |
|-----------------------|-----------------|
| Rated current at 40°C | 4 A             |
| Rated voltage         | 250 V AC        |
|                       | 250 V DC        |
| Number of positions   | 3               |
| Insulation resistance | ≥ 10 MΩ         |
| Coding                | C - dual keyway |
| Status display        | No              |
| Overvoltage category  | II              |
| Degree of pollution   | 3               |

## Sensor/actuator cable - SAC-3P-MICFS/ 1,5-PUR - 1526994

### Technical data

#### Material

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

#### Standards and Regulations

|                                        |    |
|----------------------------------------|----|
| Flammability rating according to UL 94 | HB |
|----------------------------------------|----|

#### Cable

|                                               |                                       |
|-----------------------------------------------|---------------------------------------|
| Cable type                                    | PUR/PVC black                         |
| Cable type (abbreviation)                     | 350                                   |
| Cable abbreviation                            | LiYY-11Y                              |
| UL AWM style                                  | 20549                                 |
| Conductor cross section                       | 0.34 mm <sup>2</sup>                  |
| AWG signal line                               | 22                                    |
| Conductor structure signal line               | 42x 0.10 mm                           |
| Core diameter including insulation            | 1.5 mm ±0.05 mm                       |
| Thickness, insulation                         | approx. 0.3 mm (Core insulation)      |
|                                               | ≥ 0.38 mm (Outer cable sheath)        |
| Wire colors                                   | Green, red-black, red-white           |
| External sheath, color                        | black-gray RAL 7021                   |
| External cable diameter D                     | 5.2 mm ±0.2 mm                        |
| Smallest bending radius, fixed installation   | 52 mm                                 |
| Smallest bending radius, movable installation | 52 mm                                 |
| Number of bending cycles                      | 2000000                               |
| Bending radius                                | 52 mm                                 |
| Traversing path                               | 5 m                                   |
| Traversing rate                               | 3 m/s                                 |
| Cable weight                                  | 37 kg/km                              |
| Outer sheath, material                        | PUR                                   |
| Material, inner sheath                        | PVC                                   |
| Material conductor insulation                 | PVC                                   |
| Conductor material                            | Bare Cu litz wires                    |
| Insulation resistance                         | ≤ 100 MΩ*km (at 20 °C)                |
| Conductor resistance                          | max. 58 Ω/km (at 20 °C)               |
| Nominal voltage, cable                        | ≤ 300 V                               |
| Test voltage, cable                           | ≥ 3000 V                              |
| Flame resistance                              | in accordance with DIN UL-Style 20549 |

# Sensor/actuator cable - SAC-3P-MICFS/ 1,5-PUR - 1526994

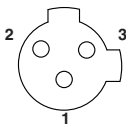
## Technical data

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

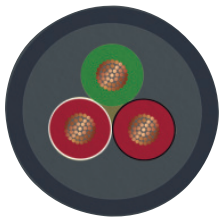
## Drawings

Schematic diagram



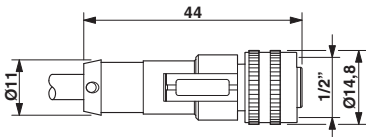
Pin assignment 1/2"-20UNF socket, 2-pos., view female side

Cable cross section



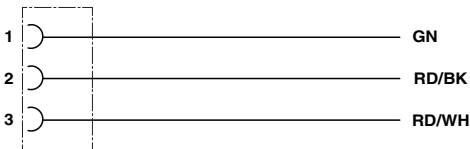
PUR/PVC black [350]

Dimensional drawing



1/2"-20UNF socket, straight

Circuit diagram



Contact assignment of 1/2" UNF plugs / sockets

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

### Approval details

## Sensor/actuator cable - SAC-3P-MICFS/ 1,5-PUR - 1526994

### Approvals

|                    |                                                                                   |                                                                                                                                                       |               |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Listed          |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
|                    |                                                                                   |                                                                                                                                                       |               |
| Nominal voltage UN |                                                                                   | 300 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                   | 4 A                                                                                                                                                   |               |

|                    |                                                                                   |                                                                                                                                                       |               |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Listed         |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
|                    |                                                                                   |                                                                                                                                                       |               |
| Nominal voltage UN |                                                                                   | 300 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                   | 4 A                                                                                                                                                   |               |

|              |                                                                                    |  |  |
|--------------|------------------------------------------------------------------------------------|--|--|
| cULus Listed |  |  |  |
|--------------|------------------------------------------------------------------------------------|--|--|

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