

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#)  
[1521915](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



Extract from the online catalog

## SAC-4P- 1,5-PUR/M 8FS SH

Order No.: 1521915



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1521915>

Sensor/Actuator cable, 4-position, PUR, halogen-free, Black-gray RAL 7021, shielded, Free conductor end, on Socket, straight M8, Cable length: 1.5 m

| Commercial data          |                   |
|--------------------------|-------------------|
| GTIN (EAN)               | 4017918968878     |
| Note                     | Made-to-order     |
| sales group              | D117              |
| Pack                     | 1 pcs.            |
| Customs tariff           | 85444290          |
| Weight/Piece             | 0.0625 KG         |
| Catalog page information | Page 85 (PC-2009) |

### Product notes

WEEE/RoHS-compliant since:  
02/15/2007



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

| General data          |        |
|-----------------------|--------|
| Rated current at 40°C | 4 A    |
| Rated voltage         | 30 V   |
| Number of positions   | 4      |
| Volume resistance     | ≤ 5 mΩ |

SAC-4P- 1,5-PUR/M 8FS SH Order No.: 1521915

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1521915>

|  |  |
|--|--|
| Insulation resistance                      | ≥ 100 MΩ   |
| Length of cable                            | 1.5 m  |
| Stripping length of the free conductor end | 50 mm  |
| Ambient temperature (operation)            | -25 °C ... 90 °C (Male connector / female connector) |

**General characteristics**

|                          |   |
|--------------------------|---|
| Standards/regulations    | M8 male connector IEC 61076-2-104           |
| Coding                   | A - standard                                |
| Surge voltage category   | II  |
| Pollution degree         | 3   |
| Degree of protection     | IP65/IP67/IP69K                             |
| 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   |
| Status display           | No  |

**Conductor data**

|   |                                 |
|---|---------------------------------|
| Cable type                                    | PUR halogen-free black shielded |
| Cable type (abbreviation)                     | PUR                             |
| Conductor cross section                       | 0.25 mm <sup>2</sup>            |
| AWG signal line                               | 24                              |
| Conductor structure signal line               | 32 x 0.10 mm                    |
| Core diameter including insulation            | 1.17 mm ±0.02 mm                |
| External cable diameter                       | 5.00 mm                         |
| Wire colors                                   | Brown, white, blue, black       |
| External sheath, color                        | Black-gray RAL 7021             |
| Outer sheath, material                        | PUR                             |
| Conductor material                            | Bare Cu litz wires              |
| Cable weight                                  | 36 kg/km                        |
| Smallest bending radius, fixed installation   | 50 mm                           |
| Smallest bending radius, movable installation | 50 mm                           |
| Number of bending cycles                      | 4000000                         |
| Bending radius                                | 50 mm                           |

SAC-4P- 1,5-PUR/M 8FS SH Order No.: 1521915

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1521915>

|                                 |   |
|---------------------------------|---|
| Traversing path                 | 10 m  |
| Traversing rate                 | 3 m/s   |
| Acceleration                    | 10 m/s <sup>2</sup>   |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation)                        |
|                                 | -5 °C ... 80 °C (cable, flexible installation)                      |
| Special properties              | Flexible cable conduit capable                                      |
|                                 | Silicone-free   |
|                                 | Free of substances which would hinder coating with paint or varnish |
| Flame resistance                | in accordance with DIN UL-Style 20549                               |
| Halogen-free                    | in accordance with DIN VDE 0472 part 815                            |
| Resistance to oil               | in accordance with DIN EN 60811-2-1                                 |
| Other resistance                | Highly resistant to acids, alkaline solutions and solvents          |
|                                 | hydrolysis and microbe resistant                                    |

### Certificates / Approvals

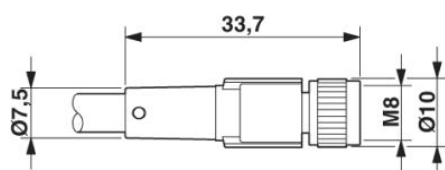


Certification

CUL Listed, UL Listed

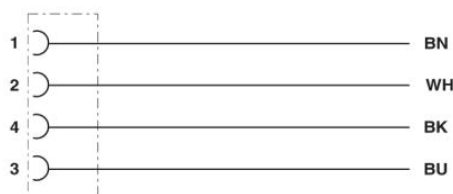
### Diagrams/Drawings

Dimensioned drawing



M8 x 1 female connector, straight version

Circuit diagram



Contact assignment of M8 socket

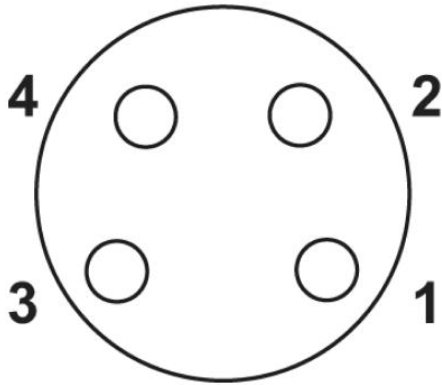
SAC-4P- 1,5-PUR/M 8FS SH Order No.: 1521915

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1521915>

---

Schematic diagram

Pin assignment M8 socket, 4-pos., view female side



SAC-4P- 1,5-PUR/M 8FS SH Order No.: 1521915

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1521915>

---

**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2010 Phoenix Contact  
Technical modifications reserved;