


SAC-4P-M8MS/ 2,0-542 BK

Order No.: 1406203

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1406203>Sensor/Actuator cable, 4-position, PVC, Yellow RAL 1021, Plug
straight M8, on free cable end, Cable length: 2 m

| Commercial data | |
|------------------------|---|
| EAN |  4 046356 798471 |
| Note | Made-to-order |
| sales group | D111 |
| Pack | 1 Pcs. |
| Customs tariff | 85444290 |
| Gross weight in pieces | 0.0829 KG |
| Net weight per piece | 0.0776 KG |

Product notes

WEEE/RoHS-compliant since:
04/02/2012

<http://www.download.phoenixcontact.com>
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| Technical data | |
|---------------------------------|----------------------------------|
| Dimensions | |
| Length of cable | 2 m |
| Ambient conditions | |
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |

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

General

| | |
|------------------------------|------------------------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 30 V |
| Number of positions | 4 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Status display | No |
| Protective circuit/component | Unwired |
| Surge voltage category | II |
| Pollution degree | 3 |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.2 Nm (M8 connectors) |

Material

| | |
|---|---|
| Inflammability class 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 |

Cable

| | |
|------------------------------------|---------------------------|
| Cable type | PVC yellow 105 °C |
| Cable type (abbreviation) | 542 |
| UL AWM style | 2517 (105°C/300 V) |
| AWG signal line | 24 |
| Core diameter including insulation | 1.12 mm ±0.03 mm |
| Wire colors | brown, blue, black, white |
| Overall twist | 4 wires, twisted |
| External sheath, color | yellow |
| External cable diameter D | 4.4 mm ±0.2 mm |

| | |
|---|---|
| Minimum bending radius, flexible installation | 8 x D |
| Cable weight | 25 kg/km |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |
| Conductor material | Tin-plated Cu litz wires |
| Nominal voltage, cable | 300 V |
| Other resistance | UV resistant |
| Ambient temperature (operation) | -30 °C ... 105 °C (cable, fixed installation) |

Certificates / Approvals



Certification cULus Listed

Certifications applied for:

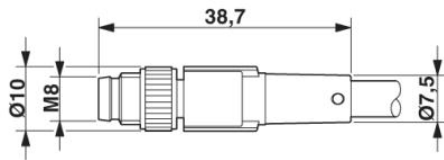
Certification Ex:

Accessories

| Item | Designation | Description |
|--|----------------------|---|
| Protection and sealing elements | | |
| 1430857 | PROT-M 8 FS-PA-CHAIN | M8 sealing cap made of plastic with fixing band for sensor cables, for M8 plugs |
| Tools | | |
| 1208461 | SAC BIT M8-D10 | Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
| 1208487 | TSD 02 SAC | Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors |

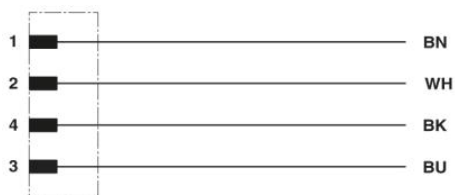
Drawings

Dimensioned drawing



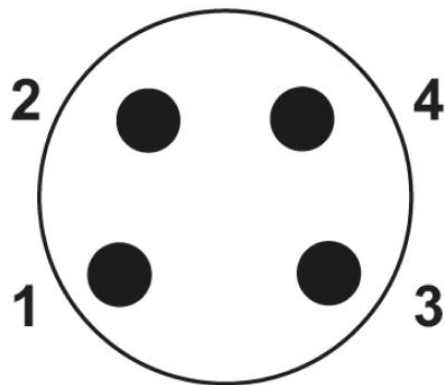
M8 x 1 male plug, straight version

Circuit diagram



Contact assignment of the M8 plug

Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



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