


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

Order No.: 1682168



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1682168>

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

| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  |
| sales group | D131 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Catalog page information | Page 80 (PC-2009) |

Product notes

WEEE/RoHS-compliant since:
12/01/2005



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Technical data

| General data | |
|-----------------------|----------|
| Rated current at 40°C | 4 A |
| Rated voltage | 30 V |
| Number of positions | 4 |
| Volume resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |

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|---------------------------------|--|
| Length of cable | 1.5 m |
| Ambient temperature (operation) | -25 °C ... 90 °C (Male connector / female connector) |

General characteristics

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|--------------------------|---|
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Coding | A - standard |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP65/IP68/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

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|------------------------------------|-------------------------------------|
| Cable type | PUR halogen-free black |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | Li9Y11Y-HF |
| Conductor cross section | 0.25 mm ² |
| AWG signal line | 24 |
| Conductor structure signal line | 32 x 0.10 mm |
| Core diameter including insulation | 1.17 mm ±0.02 mm |
| Thickness, insulation | Approx. 0.21 mm (Core insulation) |
| | Approx. 0.7 mm (Outer cable sheath) |
| External cable diameter | 4.40 mm |
| Wire colors | Brown, white, blue, black |
| External sheath, color | Black-gray RAL 7021 |
| Insulation resistance | ≥ 100 MΩ*km |
| Conductor resistance | ≤ 78 Ω/km |
| Nominal voltage, conductor | 300 V |
| Test voltage, conductor | 3000 V |
| Overall twist | 4 wires, twisted |
| Outer sheath, material | PUR |

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|---|--|
| Material conductor insulation | PP |
| Conductor material | Bare Cu litz wires |
| Cable weight | 25 kg/km |
| Smallest bending radius, movable installation | 44 mm |
| Number of bending cycles | 4000000 |
| Bending radius | 44 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Acceleration | 10 m/s ² |
| 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

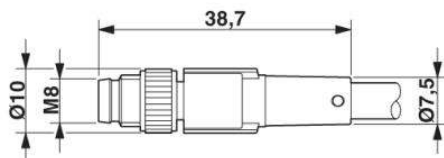


Certification

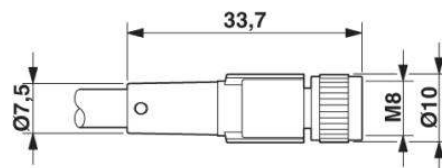
CUL Listed, UL Listed

Diagrams/Drawings

Dimensioned drawing

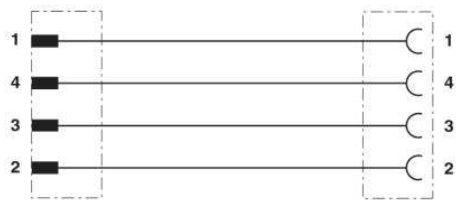


M8 x 1 male connector, straight version



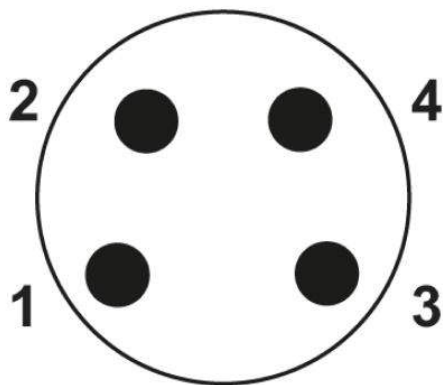
Socket M8 x 1, straight

Circuit diagram

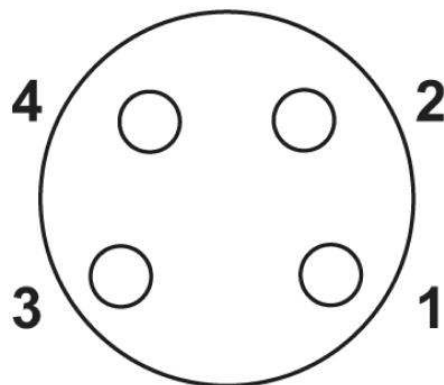


Contact assignment of M8 plugs/sockets

Schematic diagram



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



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

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