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Extract from the online catalog

SAC-5P-M12MS/ 4,0-PUR/M12FS SH

Order No.: 1511569



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1511569>

Sensor/Actuator cable, 5-position, PUR, halogen-free, Black-gray RAL 7021, shielded, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 4 m

| Commercial data | |
|-----------------|---------------|
| GTIN (EAN) | 4017918905866 |
| Note | Made-to-order |
| sales group | D117 |
| Pack | 5 pcs. |
| Customs tariff | 85444290 |
| Weight/Piece | 0.23823 KG |

Product notes

WEEE/RoHS-compliant since:
03/02/2006



<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 |
| Number of positions | 5 |
| Volume resistance | ≤ 5 mΩ |
| Length of cable | 4 m |

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General characteristics

| | |
|-----------------------------|--------------|
| Coding | A - standard |
| Degree of protection | IP67 |
| Insertion/withdrawal cycles | ≥ 100 |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Status display | No |

Conductor data

| | |
|---|--|
| Cable type | PUR halogen-free black shielded |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | Li9Y-V1-C-V1-11Y |
| Conductor cross section | 0.34 mm ² |
| AWG signal line | 22 |
| Conductor structure signal line | 42x 0.10 mm |
| Core diameter including insulation | 1.27 mm ±0.02 mm |
| Thickness, insulation | Approx. 0.21 mm (Core insulation) Approx. 0.8 mm (Outer cable sheath) |
| External cable diameter | 5.90 mm |
| Wire colors | Brown, white, blue, black, gray |
| External sheath, color | Black-gray RAL 7021 |
| Insulation resistance | ≥ 100 GΩ*km |
| Conductor resistance | max. 58 Ω/km |
| Nominal voltage, conductor | 300 V |
| Test voltage, conductor | 3000 V |
| Overall twist | 5 wires around filler to the core |
| Shielding | Braided copper wires |
| Optical shield covering | 85 % |
| Outer sheath, material | PUR |
| Material, filler | PE |
| Material conductor insulation | PP |
| Conductor material | Bare Cu litz wires |
| Cable weight | 48 kg/km |
| Smallest bending radius, fixed installation | 59 mm |
| Smallest bending radius, movable installation | 59 mm |
| Number of bending cycles | 4000000 |

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| | |
|---------------------------------|--|
| Bending radius | 59 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) -25 °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

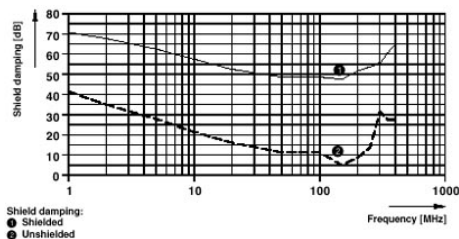


Certification

CUL Listed, UL Listed

Diagrams/Drawings

Diagram

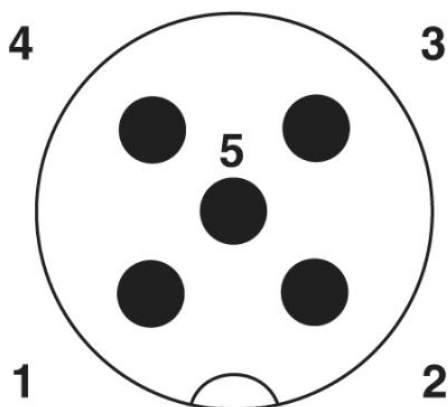


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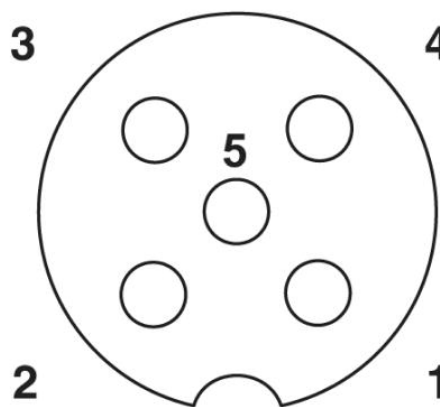
Dimensioned drawing



Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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