

SAC-5P-M12MS/ 1,5-PUR SH

Order No.: 1682728

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1682728>Sensor/actuator cable, 5-pos., PUR halogen-free black, shielded,
straight M12 plug on free conductor end, cable length: 1.5 m**Commercial data**

| | |
|--------------------------|-------------------|
| EAN | 4017918169039 |
| Pack | 1 Pcs. |
| Customs tariff | 85444290 |
| Weight/Piece | 0.0899 KG |
| Catalog page information | Page 77 (PC-2007) |

Product notesWEEE/RoHS-compliant since:
11/17/2006

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Technical data**General data**

| | |
|-----------------------|----------------------------|
| Nominal current I_N | 4 A |
| Nominal voltage U_N | 60 V |
| Number of positions | 5 |
| Volume resistance | $\leq 5 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |

| | |
|---------------------------------|--|
| Length of cable | 1.5 m |
| Ambient temperature (operation) | -25 °C ... 90 °C (plug/socket) |
| | -25 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

General characteristics

| | |
|------------------------------------|---|
| Coding | A - standard |
| Inflammability class acc. to UL 94 | HB |
| 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) |
| Status display | No |

Conductor data

| | |
|----------------------------------|-------------------------------------|
| Cable type | PUR halogen-free black shielded |
| 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 |
| Thickness, insulation | Approx. 0.21 mm (Core insulation) |
| | Approx. 0.8 mm (Outer cable sheath) |
| External cable diameter | 5.90 mm |
| External sheath, color | Black-gray RAL 7021 |
| Insulation resistance | ≥ 100 GΩ*km |
| Overall twist | 5 wires around filler to the core |
| Shielding | Braided copper wires |
| Optical shield covering | 85 % |
| Outer sheath, material | PUR |
| Material, filler | PE |
| 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 |
| Max. bending cycles | 4000000 |
| Bending radius | 59 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |

Certificates / Approvals

Approval logo

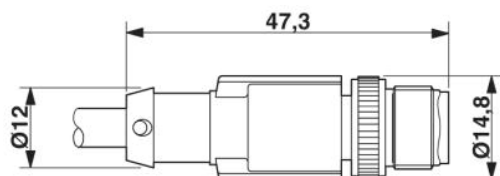


requested approbations

| | |
|---------------|-----------------------------|
| Certification | CUL Listed, GOST, UL Listed |
|---------------|-----------------------------|

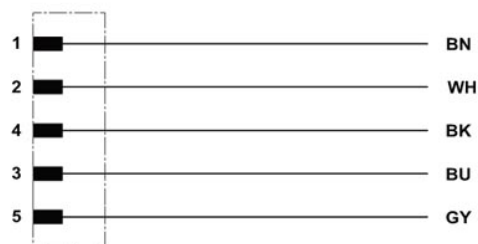
Drawings

Dimensioned drawing



M12 x 1 male connector, straight, shielded

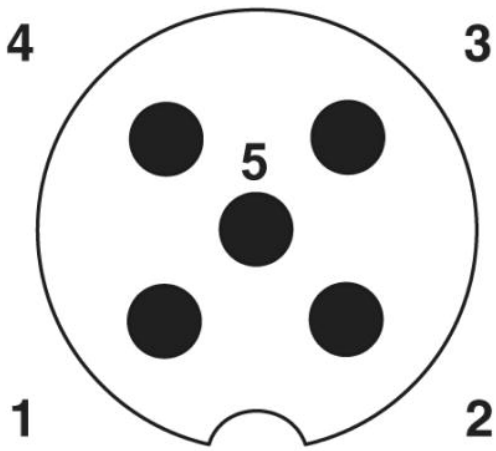
Circuit diagram



Contact assignment of the M12 plug

Schematic diagram

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



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