

SAC-4P- 5,0-186/FS SCO

Order No.: 1555651

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1555651>

Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Free conductor end, on Socket, straight M12-SPEEDCON, A-coded, Cable length: 5 m



Commercial data

| | |
|--------------------------|--|
| GTIN (EAN) |  4 046356 173551 |
| Note | Made-to-order |
| sales group | D111 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Catalog page information | Page 410 (PC-2011) |

Product notes

WEEE/RoHS-compliant since:
11/17/2006



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Technical data

General data

| | |
|-----------------------|--------|
| Rated current at 40°C | 4 A |
| Rated voltage | 250 V |
| Number of positions | 4 |
| Volume resistance | ≤ 5 mΩ |

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|--|--|
| Insulation resistance | ≥ 100 MΩ |
| Length of cable | 5 m |
| Stripping length of the free conductor end | 50 mm |
| Ambient temperature (operation) | -25 °C ... 90 °C (Male connector / female connector) |

General characteristics

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|--------------------------|---|
| 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 |
| Status display | No |

Conductor data

| | |
|------------------------------------|--------------------------------------|
| Cable type | PUR POWER 0.75 mm ² black |
| Cable type (abbreviation) | 186 |
| Cable abbreviation | LiY11Y |
| Conductor cross section | 0.75 mm ² |
| AWG signal line | 18 |
| Conductor structure signal line | 42x 0.15 mm |
| Core diameter including insulation | 1.75 mm ±0.05 mm |
| Thickness, insulation | ≥ 0.23 mm (Core insulation) |
| | ≥ 0.76 mm (Outer cable sheath) |
| External cable diameter | 5.9 mm ±0.15 mm |
| Wire colors | Brown, white, blue, black |
| External sheath, color | Black-gray RAL 7021 |
| Insulation resistance | ≥ 1 MΩ*km (at 20°C) |
| Conductor resistance | max. 26 Ω/km (at 20°C) |
| Nominal voltage, conductor | ≤ 300 V |
| Test voltage, conductor | ≥ 3000 V |
| Overall twist | 4 wires, twisted |
| Outer sheath, material | PUR |

| | |
|---|--|
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Cable weight | 57 kg/km |
| Smallest bending radius, movable installation | 59 mm |
| Number of bending cycles | 2000000 |
| Bending radius | 59 mm |
| Traversing path | 5 m |
| Traversing rate | 3 m/s |
| Acceleration | 5 m/s ² |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (cable, flexible installation) |
| Flame resistance | in accordance with DIN UL-Style 20549 |

Certificates / Approvals

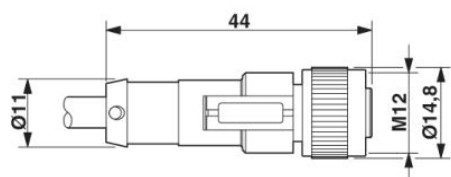


Certification

CUL Listed, UL Listed

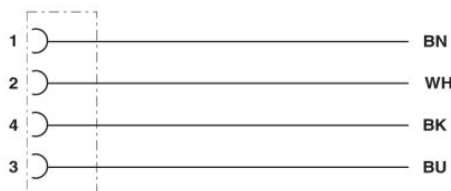
Diagrams/Drawings

Dimensioned drawing



M12-SPEEDCON socket, straight

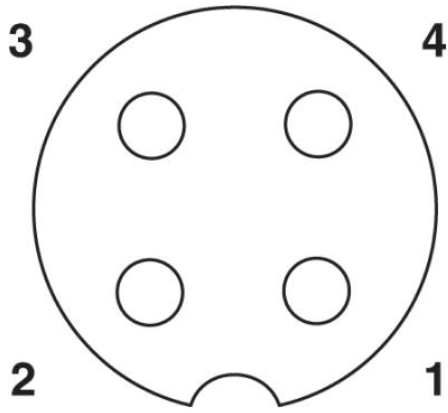
Circuit diagram



Contact assignment of the M12 socket

Schematic diagram

Pin assignment M12 socket, 4-pos., A-coded, view female side



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