

SAC-4P-2,0-542/ FS SCO BK

Order No.: 1406246




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Sensor/Actuator cable, 4-position, PVC, Yellow RAL 1021, free cable end, on Socket straight M12 SPEEDCON, A-coded, Cable length: 2 m



Commercial data

| | |
|------------------------|---|
| EAN |  4 046356 798051 |
| Note | Made-to-order |
| sales group | D111 |
| Pack | 1 Pcs. |
| Customs tariff | 85444290 |
| Gross weight in pieces | 0.1099 KG |
| Net weight per piece | 0.1016 KG |

Product notes

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



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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 | 250 V |
| Number of positions | 4 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 10 MΩ |
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Status display | No |
| Protective circuit/component | Unwired |
| Surge voltage category | II |
| Pollution degree | 3 |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.4 Nm (M12 connector) |

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 |
| Sealing material | NBR |

Cable

| | |
|------------------------------------|---------------------------|
| Cable type | PVC yellow 105 °C |
| Cable type (abbreviation) | 542 |
| UL AWM style | 2517 (105°C/300 V) |
| AWG signal line | 22 |
| Core diameter including insulation | 1.27 mm ±0.03 mm |
| Wire colors | brown, blue, black, white |
| Overall twist | 4 wires, twisted |
| External sheath, color | yellow |

| | |
|---|---|
| External cable diameter D | 5 mm ±0.2 mm |
| Minimum bending radius, flexible installation | 8 x D |
| Cable weight | 36 kg/km |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |
| Conductor material | Tin-plated Cu litz wires |
| Nominal voltage, cable | 300 V |
| Special properties | UL standards PLTC and ITC |
| Other resistance | UV resistant |
| Ambient temperature (operation) | -30 °C ... 105 °C (cable, fixed installation) |

Certificates / Approvals



Certification cULus Listed

Certifications applied for:

Certification Ex:

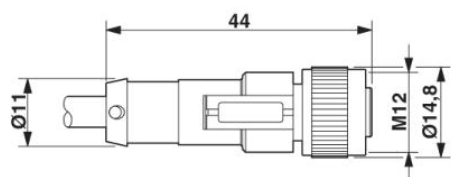
Accessories

| Item | Designation | Description |
|--|----------------------|---|
| Fuse | | |
| 1558991 | SAC-M12-EXCLIP-F | Fuse clip for the socket side of sensor/actuator cables with M12 connector and M12 connectors which can be assembled with QUICKON fast connection technology, prevents the disconnection of plug-in connections without tools |
| Protection and sealing elements | | |
| 1430899 | PROT-M12 MS-PA-CHAIN | M12 sealing cap with fixing band, for sensor cables, for free M12 sockets |
| Tools | | |
| 1208432 | SAC BIT M12-D15 | Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |

| | | |
|---------|-----------------------|---|
| 1208429 | TSD 04 SAC | Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors |
| 1212224 | TSD-M 1,2NM | Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm |
| 1212600 | TSD-M SAC-BIT ADAPTER | Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits |

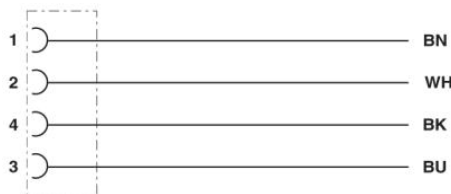
Drawings

Dimensioned drawing



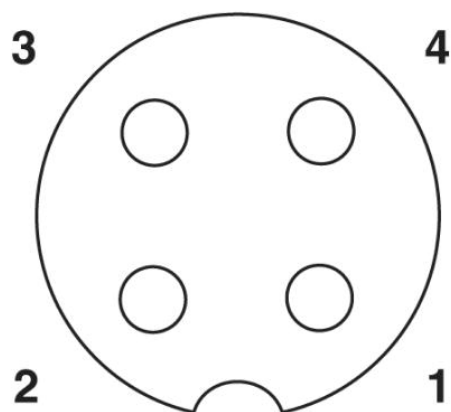
M12 x 1 socket, straight

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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