

Sensor/Actuator cable - SAC-4P- 5,0-647/FS SCO BK - 1410239


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Sensor/Actuator cable, 4-position, TPE, yellow, free cable end, on Socket straight M12 SPEEDCON, A-coded, Cable length: 5 m



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 STK |
| Minimum order quantity | 6 STK |
| GTIN |  4 055626 048772 |
| GTIN | 4055626048772 |
| Weight per Piece (excluding packing) | 1.000 g |
| Custom tariff number | 85444290 |
| Country of origin | United States |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 5 m |
|-----------------|-----|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| Degree of protection | IP65/IP67 |

General

| | |
|-----------------------|--------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 250 V |
| Number of positions | 4 |
| Coding | A - standard |

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Technical data

General

| | |
|------------------------------|-------------------------------|
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Status display | No |
| Protective circuit/component | Unwired |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Torque | 0.4 Nm (M12 connector) |

Material

| | |
|--|---|
| Flammability rating 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 |

Standards and Regulations

| | |
|--|-----------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-101 |
| Flammability rating according to UL 94 | HB |

Cable

| | |
|------------------------------------|--------------------------------|
| Cable type | TPE yellow 105 °C |
| Cable type (abbreviation) | 647 |
| UL AWM style | 20327 (105 °C / 300 V) |
| AWG signal line | 18 |
| Conductor structure signal line | 41x 0.16 mm |
| Core diameter including insulation | 1.8 mm |
| Thickness, insulation | 0.23 mm |
| Overall twist | 4 wires, twisted |
| External sheath, color | yellow |
| Outer sheath thickness | 0.89 mm |
| External cable diameter D | 6 mm ±0.25 mm |
| Cable weight | 31 kg/km |
| Outer sheath, material | TPE |
| Material conductor insulation | PVC |
| Nominal voltage, cable | 300 V |
| Flame resistance | According to FT1 |
| Resistance to oil | OIL RES I according to UL 2256 |

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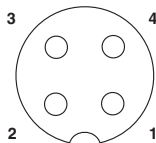
Technical data

Cable

| | |
|---------------------------------|---|
| Other resistance | UV resistant (720 h) to UL 2256 |
| Ambient temperature (operation) | -30 °C ... 105 °C (cable, fixed installation) |

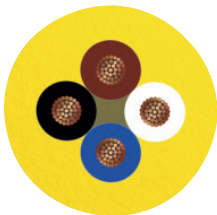
Drawings

Schematic diagram



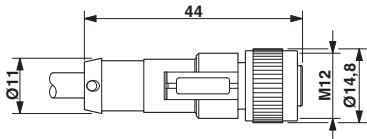
Pin assignment M12 socket, 4-pos., A-coded, view female side

Cable cross section



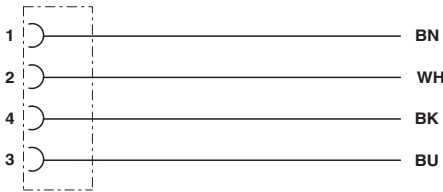
TPE yellow 105 °C [647]

Dimensional drawing



M12 x 1 socket, straight

Circuit diagram



Contact assignment of the M12 socket