

Sensor/actuator cable - SAC-3P-MR/ 0,5-547/FS SCO BK - 1424918

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Sensor/actuator cable, 3-position, PVC, yellow, Plug angled M12 SPEEDCON, A-coded, on Socket straight M12 SPEEDCON, A-coded, cable length: 0.5 m



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4055626401904 |

Technical data

Dimensions

| | |
|-----------------|-------|
| Length of cable | 0.5 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 AC 250 V DC |
| Number of positions | 3 |
| Insulation resistance | ≥ 10 MΩ |
| Coding | A - standard |
| 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) |

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Technical data

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 | PVC yellow 105 °C |
| Cable type (abbreviation) | 547 |
| UL AWM style | 2517 (105 °C / 300 V) |
| AWG signal line | 18 |
| Conductor structure signal line | 41x 0.16 mm |
| Core diameter including insulation | 1.7 mm ±0.03 mm |
| Wire colors | brown, blue, black |
| Overall twist | 3 wires, twisted |
| External sheath, color | yellow |
| External cable diameter D | 5.7 mm ±0.2 mm |
| Minimum bending radius, fixed installation | 8 x D |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |
| Conductor material | Tin-plated Cu litz wires |
| Nominal voltage, cable | 300 V |
| Special properties | C(UL) CMX OUTDOOR-CMG 105 °C |
| | UL ITC/PLTC 105 °C |
| | CSA AWM I/II A/B FT4 105 °C / 300 V |
| Flame resistance | FT4 |
| Ambient temperature (operation) | -30 °C ... 105 °C (cable, fixed installation) |

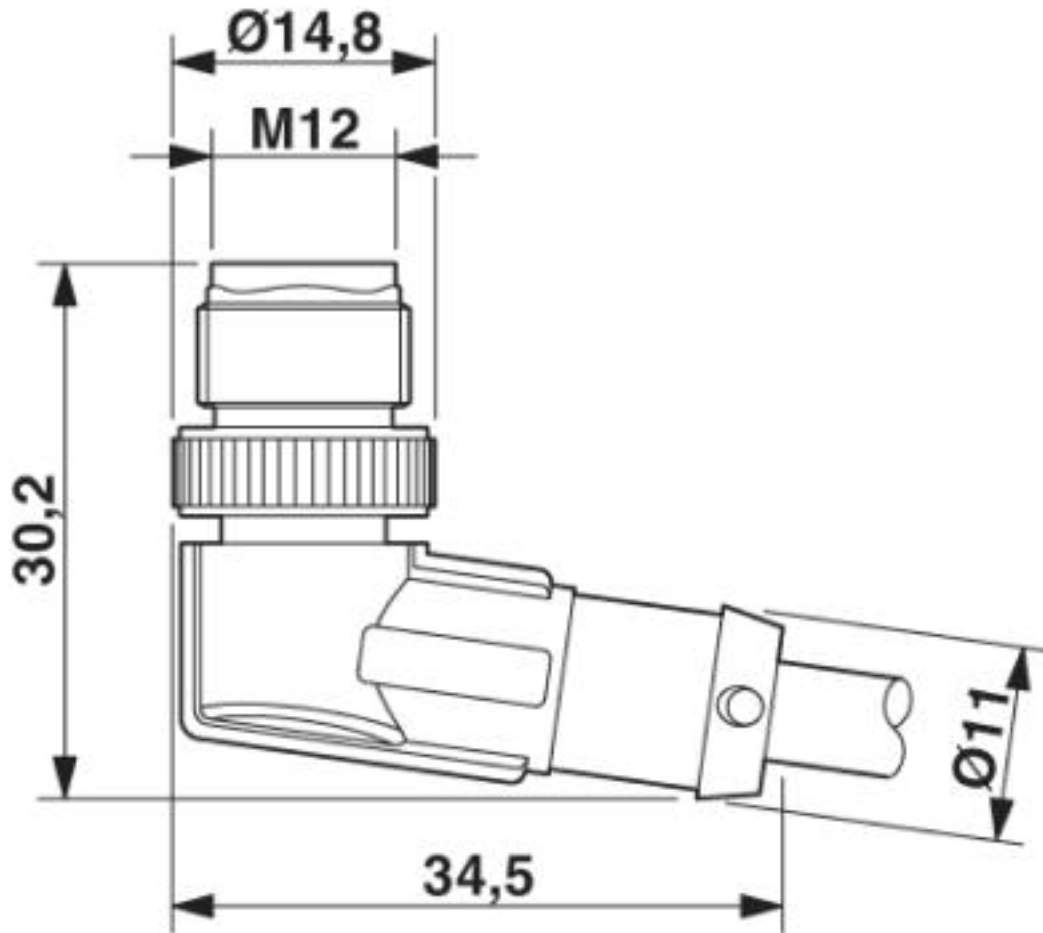
Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

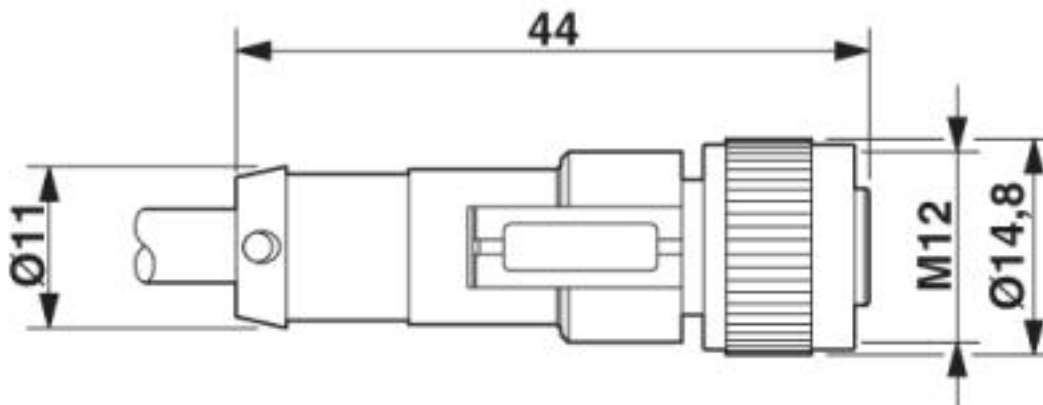
Sensor/actuator cable - SAC-3P-MR/ 0,5-547/FS SCO BK - 1424918

Dimensional drawing



M12 x 1 male plug, angled

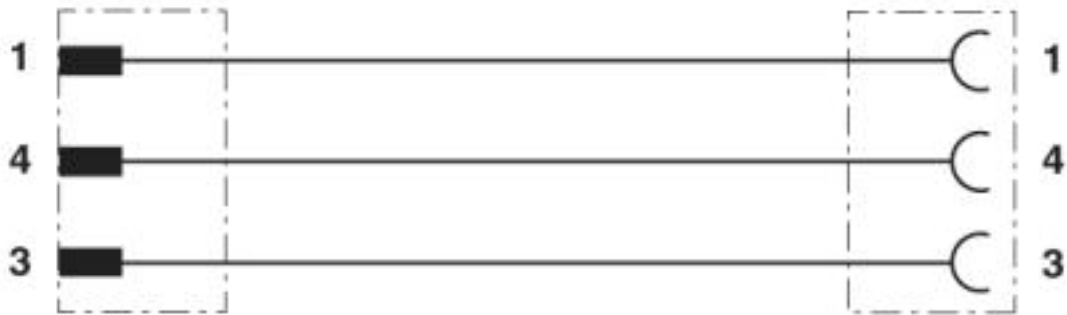
Dimensional drawing



M12 x 1 socket, straight

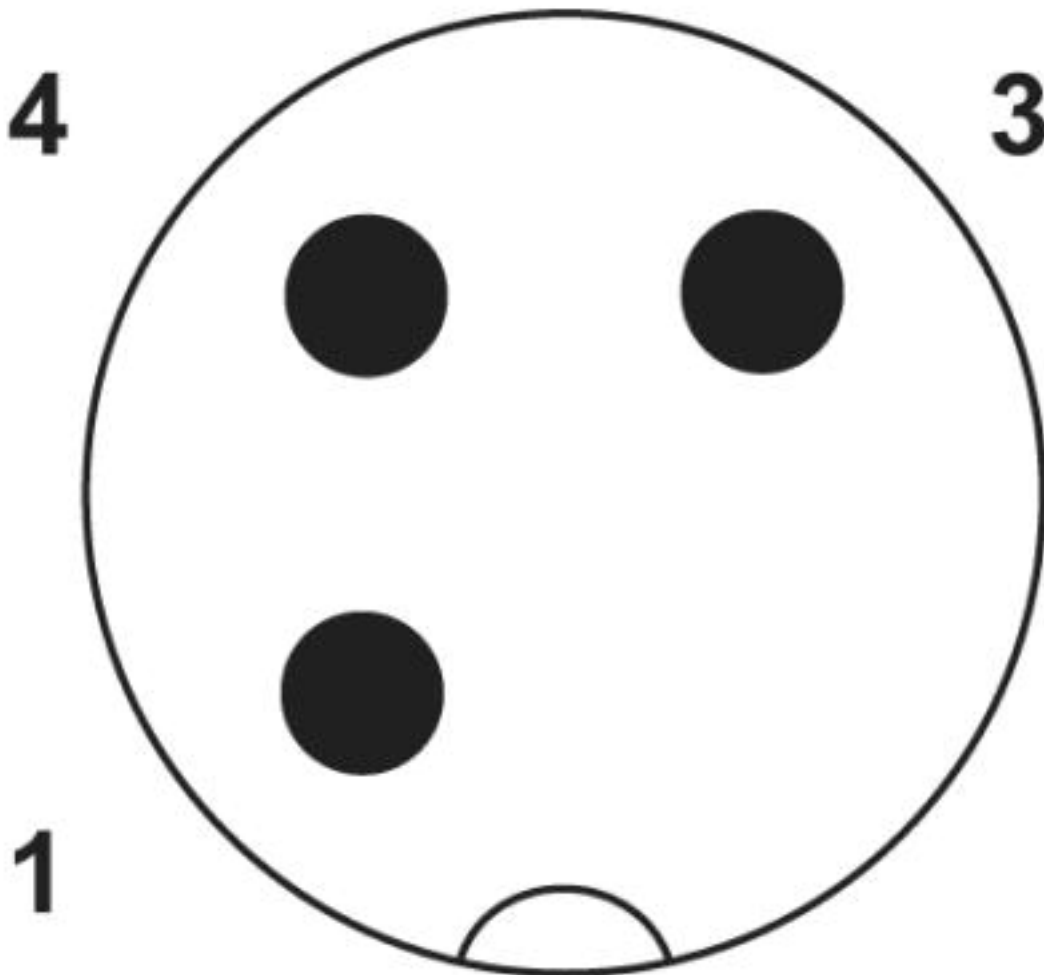
Sensor/actuator cable - SAC-3P-MR/ 0,5-547/FS SCO BK - 1424918

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

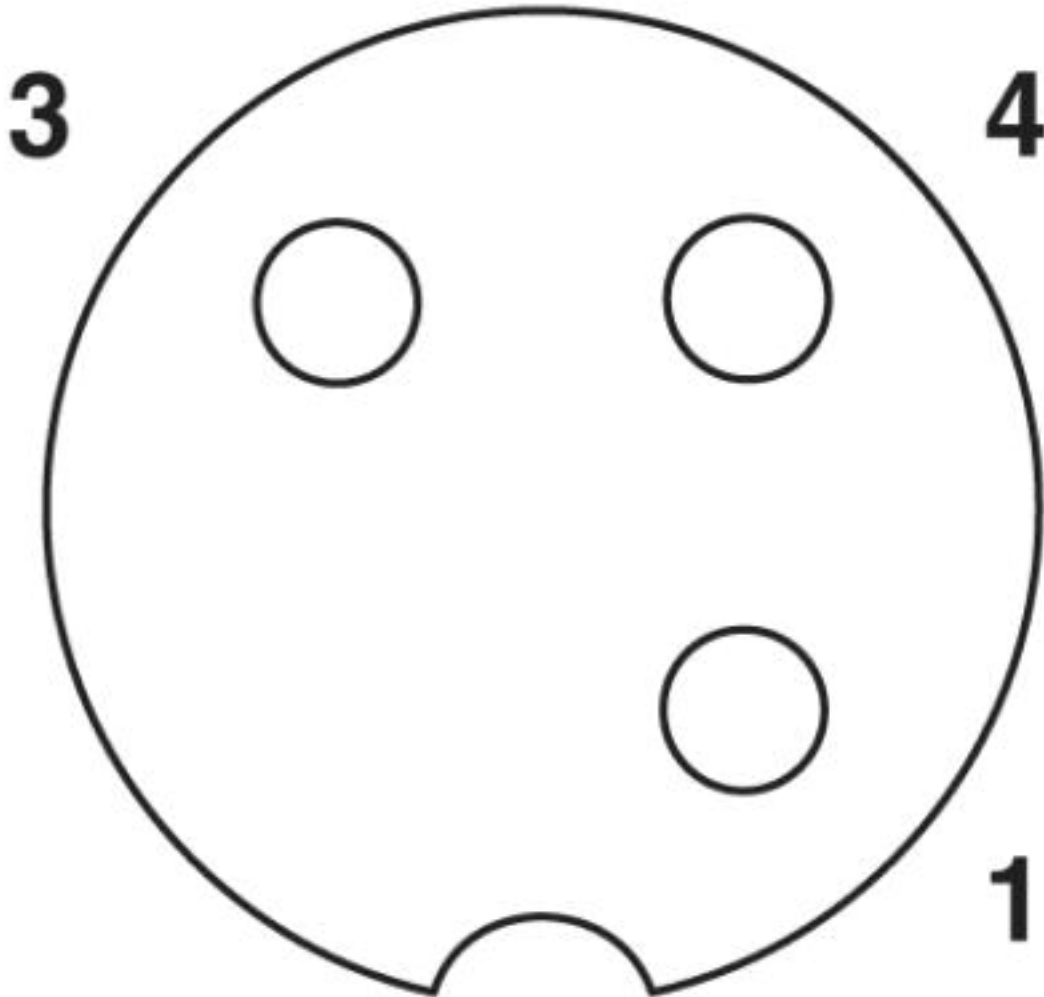
Schematic diagram



Pin assignment M12 plug, 3-pos., A-coded, view male side

Sensor/actuator cable - SAC-3P-MR/ 0,5-547/FS SCO BK - 1424918

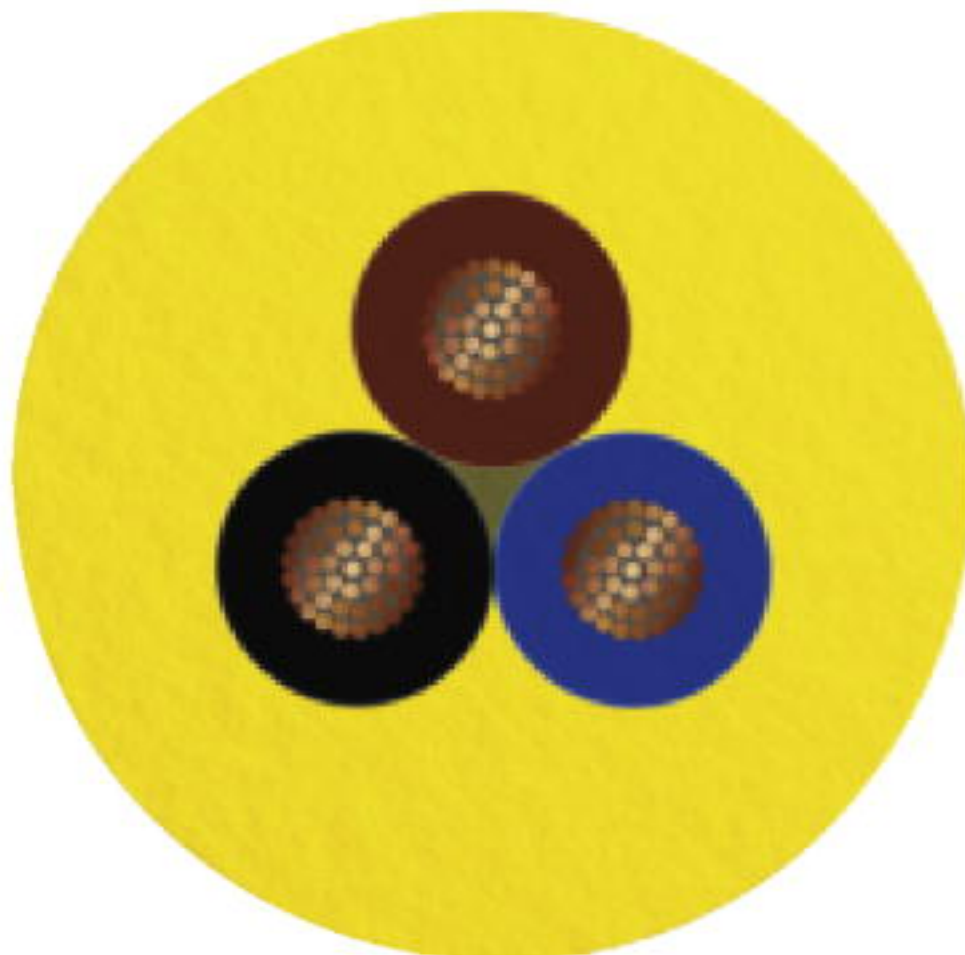
Schematic diagram



Pin assignment M12 socket, 3-pos., A-coded, view female side

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Cable cross section



PVC yellow 105 °C [547]

Approvals

Approvals

Approvals


UL Listed / cUL Listed / EAC / cULus Listed


Ex Approvals

Approval details


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Approvals

| | | | |
|--------------------|---|---|---------------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| Nominal voltage UN | | 300 V | |
| Nominal current IN | | 4 A | |

| | | | |
|--------------------|---|---|---------------|
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| Nominal voltage UN | | 300 V | |
| Nominal current IN | | 4 A | |

| | | |
|-----|--|--------------------------|
| EAC |  | RU C- DE.BL08.B.00286 |
|-----|--|--------------------------|

| | |
|--------------|---|
| cULus Listed |  |
|--------------|---|

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PHOENIX CONTACT GmbH & Co. KG
 Flachsmarktstr. 8
 32825 Blomberg
 Germany
 Tel. +49 5235 300
 Fax +49 5235 3 41200
<http://www.phoenixcontact.com>