

Sensor/actuator cable - SAC-3P- 5,0-542/M8 FS SH BK - 1406062


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Sensor/actuator cable, 3-position, PVC, yellow, shielded, free cable end, on Socket straight M8, cable length: 5 m



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 046356 799850 |
| GTIN | 4046356799850 |

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 | 48 V AC 60 V DC |
| Number of positions | 3 |
| Color handle area | black |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Status display | No |
| Protective circuit/component | unwired |
| Overvoltage category | II |

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Technical data

General

| | |
|-----------------------------|------------------------|
| Degree of pollution | 3 |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.2 Nm (M8 connectors) |

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 | M8 connector |
| Standards/regulations | IEC 61076-2-104 |
| Flammability rating according to UL 94 | HB |

Cable

| | |
|---|---|
| Cable type | PVC yellow 105 °C |
| Cable type (abbreviation) | 542 |
| UL AWM style | 2517 (105 °C / 300 V) |
| AWG signal line | 24 |
| Conductor structure signal line | 32x 1.10 mm |
| Core diameter including insulation | 1.12 mm ±0.03 mm |
| Wire colors | brown, blue, black |
| Overall twist | 3 wires, twisted |
| Shielding | Tinned copper braided shield |
| Optical shield covering | 85 % |
| External sheath, color | yellow |
| External cable diameter D | 4.7 mm ±0.2 mm |
| Minimum bending radius, flexible installation | 12 x D |
| Cable weight | 33 kg/km |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |
| Conductor material | Tin-plated Cu litz wires |
| Insulation resistance | ≥ (550 M Ohms/m @ 500V) |
| Conductor resistance | max. 79.7 Ω/km (20 °C) |
| Nominal voltage, cable | 300 V |
| Flame resistance | FT4 |
| Other resistance | UV resistant |
| Ambient temperature (operation) | -30 °C ... 105 °C (cable, fixed installation) |

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Technical data

Cable

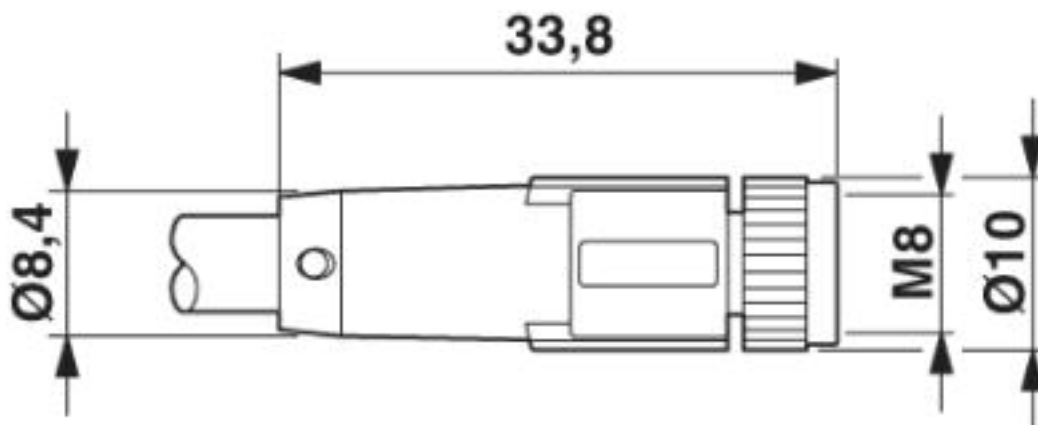
| | |
|--|---|
| | -5 °C ... 105 °C (cable, flexible installation) |
|--|---|

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

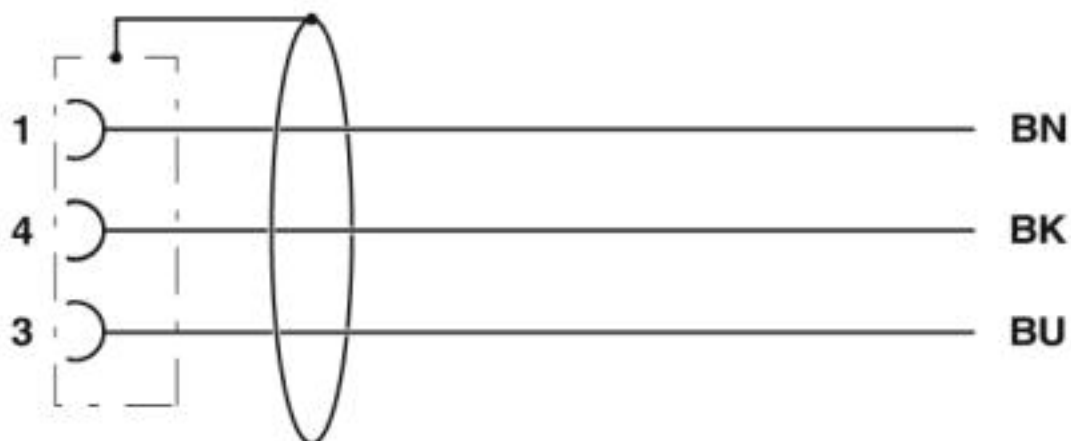
Drawings

Dimensional drawing



Socket M8 x 1, straight, shielded

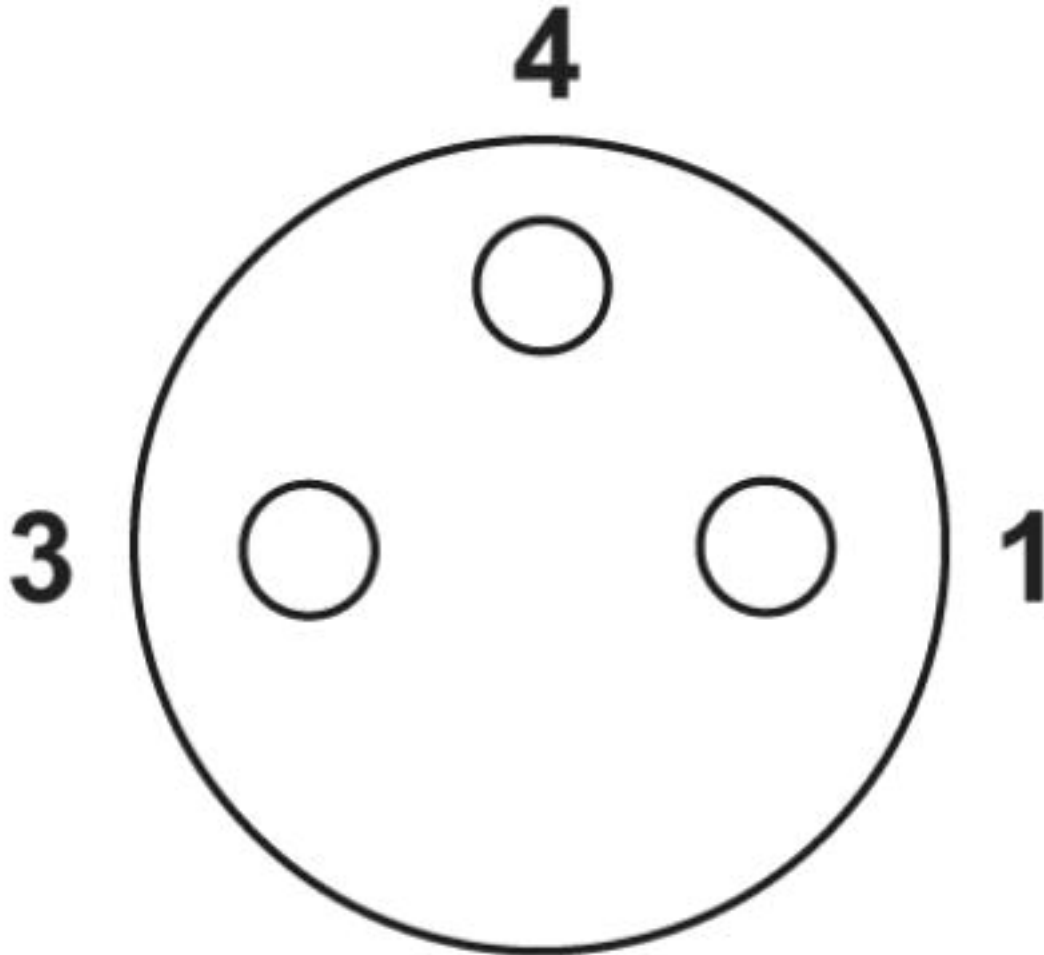
Circuit diagram



Contact assignment of M8 socket

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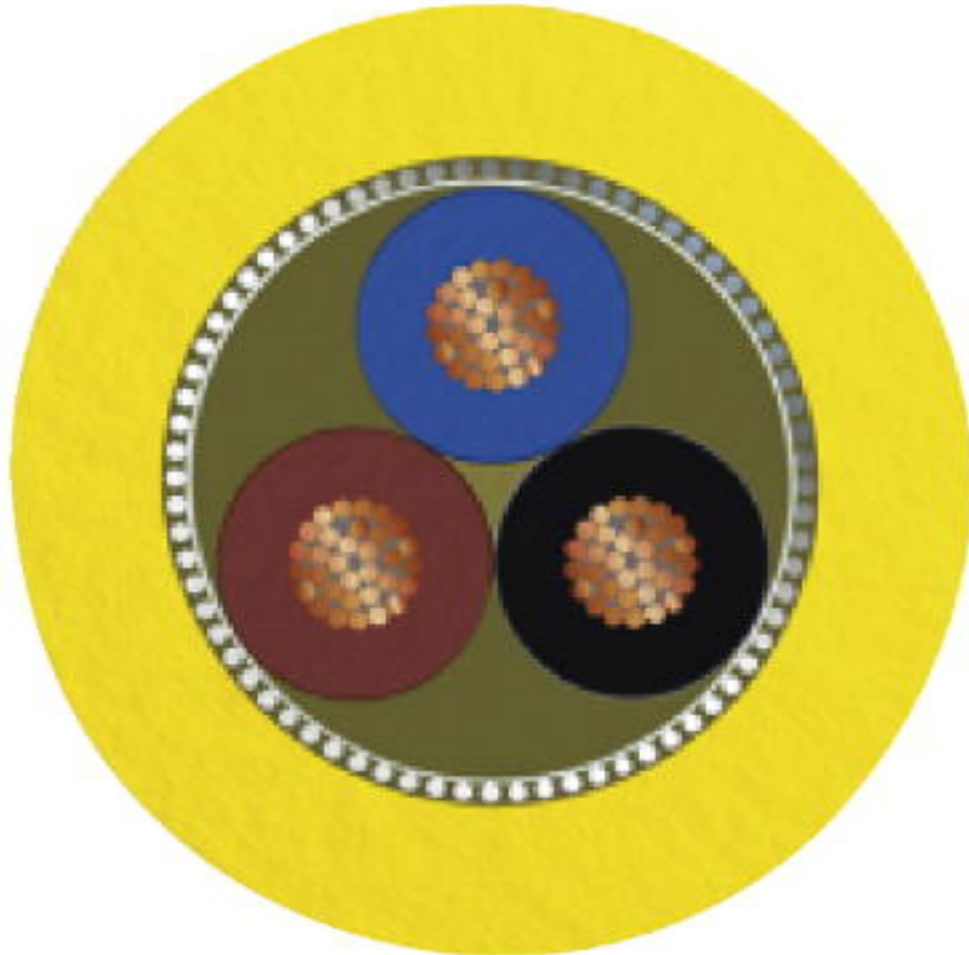
Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

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Cable cross section



PVC yellow 105 °C [542]

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 | | 125 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 | | 125 V | |
| Nominal current IN | | 4 A | |

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

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

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