

Sensor/Actuator cable - SAC-3P-M 8MS/0,6-PVC/M 8FR-2L - 1415897

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Sensor/Actuator cable, 3-position, PVC, Black RAL 9005, Plug straight M8, on Socket angled M8, with 2 LEDs, Cable length: 0.6 m

Product Features

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics
- ✓



Key commercial data

| | |
|----------------------|----------|
| Packing unit | 1 pc |
| Custom tariff number | 85444290 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|-----------------|-------|
| Length of cable | 0.6 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 | 24 V |
| Number of positions | 3 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |

Sensor/Actuator cable - SAC-3P-M 8MS/0,6-PVC/M 8FR-2L - 1415897

Technical data

General

| | |
|------------------------------|------------------------------|
| Coding | A - standard |
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Status display | 2 LEDs |
| Protective circuit/component | Unwired |
| Surge voltage category | II |
| Pollution degree | 3 |
| Insertion/withdrawal cycles | ≥ 100 |

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 black |
| Cable type (abbreviation) | PVC |
| Cable abbreviation | LiYY |
| Conductor cross section | 3x 0.25 mm ² (signal line) |
| AWG signal line | 24 |
| Conductor structure signal line | 14x 0.15 mm |
| Core diameter including insulation | 1.17 mm ±0.05 mm |
| Thickness, insulation | ≥ 0.23 mm (Core insulation) |
| Wire colors | brown, blue, black |
| Overall twist | 3 wires, twisted |
| External sheath, color | Black RAL 9005 |
| Outer sheath thickness | ≥ 0.76 mm |
| External cable diameter D | 4.2 mm ±0.15 mm |
| Cable weight | 29 kg/km |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 100 MΩ*km (at 20 °C) |
| Conductor resistance | max. 79 Ω/km (at 20 °C) |
| Nominal voltage, cable | ≥ 300 V |

Sensor/Actuator cable - SAC-3P-M 8MS/0,6-PVC/M 8FR-2L - 1415897

Technical data

Cable

| | |
|---------------------|----------------------|
| Test voltage, cable | ≤ 3000 V |
| Flame resistance | As per UL-Style 2464 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC001855 |
|----------|----------|

Approvals

Approvals


Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

| | |
|---|------|
| UL Listed  | |
| Nominal current I _N | 4 A |
| Nominal voltage U _N | 24 V |

Sensor/Actuator cable - SAC-3P-M 8MS/0,6-PVC/M 8FR-2L - 1415897

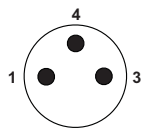
Approvals

| | |
|--------------------------------|------|
| cUL Listed | |
| Nominal current I _N | 4 A |
| Nominal voltage U _N | 24 V |

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

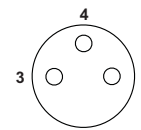
Drawings

Schematic diagram



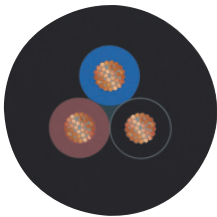
Pin assignment M8 plug, 3-pos., view male side

Schematic diagram



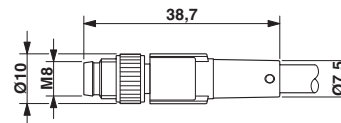
Pin assignment M8 socket, 3-pos., view female side

Cable cross section



PVC black [PVC]

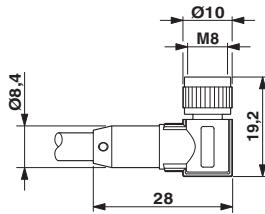
Dimensional drawing



M8 x 1 male plug, straight version

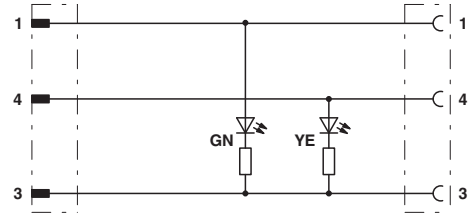
Sensor/Actuator cable - SAC-3P-M 8MS/0,6-PVC/M 8FR-2L - 1415897

Dimensional drawing



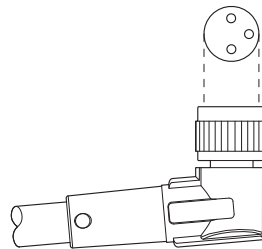
Socket M8 x 1, angled

Circuit diagram



Contact assignment of M8 plugs/sockets

Schematic diagram



Layout of connector pin assignments

单击下面可查看定价，库存，交付和生命周期等信息

[>>Phoenix Contact\(菲尼克斯\)](#)