



Automatización Eléctrica
Especialistas en Automatización

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Sensor/Actuator cable - SAC-12P-MR/10,0-PVC SCO - 1554843

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Sensor/Actuator cable, 12-position, PVC, black RAL 9005, Plug angled M12 SPEEDCON, A-coded, on free cable end, Cable length: 10 m

Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Save time, thanks to installation with SPEEDCON fast locking system
- Save space – with high-pos. connectors



Key Commercial Data

| | |
|--------------|---------------------|
| Packing unit | 1 STK |
| GTIN | 4 046356 176453 |

Technical data

Dimensions

| | |
|--|--------|
| Length of cable | 10 m |
| Cable diameter | 5.9 mm |
| Stripping length of the free conductor end | 35 mm |

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| Degree of protection | IP65 |
| | IP67 |
| | IP68 |

General

| | |
|-----------------------|--------------|
| Rated current at 40°C | 1.5 A |
| Rated voltage | 30 V |
| Number of positions | 12 |
| Insulation resistance | ≥ 10 MΩ |
| 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 | CuZn |
| 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 |

Cable

| | |
|---|--|
| Cable type | PVC black |
| Conductor cross section | 0.14 mm ² |
| AWG signal line | 26 |
| Conductor structure signal line | 18x 0.10 mm |
| Wire colors | Color-coded DIN 47100 |
| Overall twist | Wires twisted in layers |
| External sheath, color | black RAL 9005 |
| External cable diameter | 5.90 mm |
| Smallest bending radius, movable installation | 88.5 mm |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Conductor resistance | 142 Ω/m |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

Standards and Regulations

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

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27279218 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

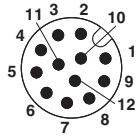
Approval details

| |
|-----|
| EAC |
|-----|

Drawings

Sensor/Actuator cable - SAC-12P-MR/10,0-PVC SCO - 1554843

Schematic diagram



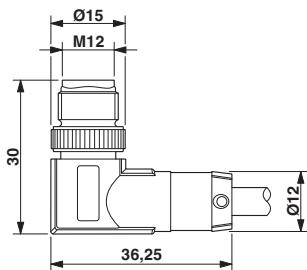
Pin assignment M12 male connector, 12-pos., male side view

Cable cross section



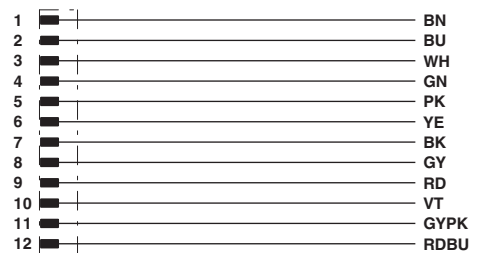
PVC black [PVC]

Dimensional drawing



M12 SPEEDCON plug, angled

Circuit diagram



Contact assignment of the M12 plug



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