

## 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

### Product Features

- ✓ 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 pc      |
| Weight per Piece (excluding packing) | 483.5 GRM |
| Custom tariff number                 | 85444290  |
| Country of origin                    | Germany   |

### 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 |
|-----------------------|-------|

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### Technical data

#### General

|                              |                               |
|------------------------------|-------------------------------|
| Rated voltage                | 30 V                          |
| Number of positions          | 12                            |
| Contact resistance           | $\leq 5 \text{ m}\Omega$      |
| Insulation resistance        | $\geq 10 \text{ M}\Omega$     |
| Coding                       | A - standard                  |
| Standards/regulations        | M12 connector IEC 61076-2-101 |
| Status display               | No                            |
| Protective circuit/component | Unwired                       |
| Surge voltage category       | II                            |
| Pollution degree             | 3                             |
| Torque                       | 0.4 Nm (M12 connector)        |

#### Material

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Inflammability class 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 <sup>2</sup>                           |
| 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 $\Omega$ /m                                |
| Ambient temperature (operation)               | -25 °C ... 80 °C (cable, fixed installation)   |
|                                               | -5 °C ... 80 °C (cable, flexible installation) |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27061801 |

#### 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

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Approvals

GOST

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Ex Approvals

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Approvals submitted

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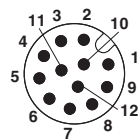
#### Approval details

|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

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Drawings

Schematic diagram



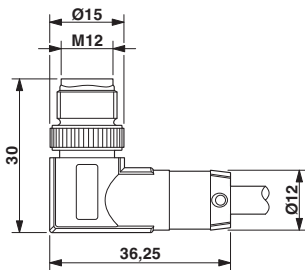
Pin assignment M12 male connector, 12-pos., male side view

Cable cross section



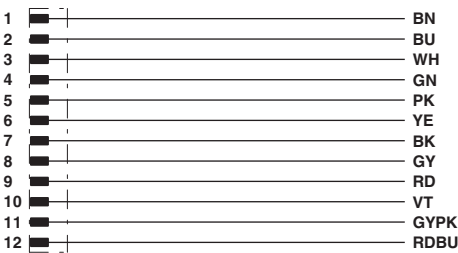
PVC black [PVC]

Dimensioned drawing



M12 SPEEDCON plug, angled

Circuit diagram



Contact assignment of the M12 plug

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