

## Sensor/Actuator cable - SAC-17P-MS/ 1,5-PVC SCO - 1555266

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, 17-position, PVC, Black RAL 9005, Plug straight M12 SPEEDCON, A-coded, on free cable end, Cable length: 1.5 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) | 119.32 GRM |
| Custom tariff number                 | 85444290   |
| Country of origin                    | Germany    |

### Technical data

#### Dimensions

|  |        |
|--|--------|
| Length of cable                            | 1.5 m  |
| Cable diameter                             | 6.4 mm |
| Stripping length of the free conductor end | 35 mm  |

#### Ambient conditions

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

#### General

|                       |       |
|-----------------------|-------|
| Rated current at 40°C | 1.5 A |
|-----------------------|-------|

## Sensor/Actuator cable - SAC-17P-MS/ 1,5-PVC SCO - 1555266

### Technical data

#### General

|                              |                               |
|------------------------------|-------------------------------|
| Rated voltage                | 30 V                          |
| Number of positions          | 17                            |
| Contact resistance           | ≤ 5 mΩ                        |
| Insulation resistance        | ≥ 100 MΩ                      |
| 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                                    |
| Core diameter including insulation            | 1 mm ±0.05 mm                                  |
| Wire colors                                   | Color-coded DIN 47100                          |
| Overall twist                                 | Wires twisted in layers                        |
| External sheath, color                        | Black RAL 9005                                 |
| External cable diameter                       | 6.40 mm  |
| Smallest bending radius, movable installation | 96 mm  |
| Outer sheath, material                        | PVC  |
| Material conductor insulation                 | PVC  |
| Conductor material                            | Bare Cu litz wires                             |
| Ambient temperature (operation)               | -5 °C ... 80 °C (cable, flexible installation) |
|   | -25 °C ... 80 °C (cable, fixed installation)   |

# Sensor/Actuator cable - SAC-17P-MS/ 1,5-PVC SCO - 1555266

## 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

---

Approvals

GOST

---

Ex Approvals

---

Approvals submitted

---

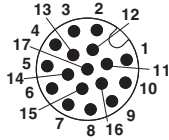
Approval details

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

# Sensor/Actuator cable - SAC-17P-MS/ 1,5-PVC SCO - 1555266

## Drawings

Schematic diagram



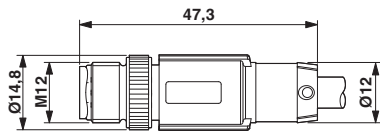
Pin assignment M12 male connector, 17-pos., male side view

Cable cross section



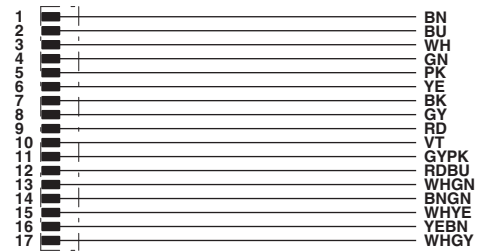
PVC black [PVC]

Dimensioned drawing



M12 SPEEDCON plug, straight

Circuit diagram



Contact assignment of the M12 plug