

## Sensor/actuator cable - SAC-3P-M5MS/ 1,5-PUR - 1530265

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Sensor/actuator cable, 3-position, PUR, black RAL 9005, Plug straight M5, coding: A, on free cable end, cable length: 1.5 m

### Your advantages

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Signal transmission in a confined space – with our M5 connectors

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 046356 024068 |
| GTIN         | 4046356024068   |

### Technical data

#### Dimensions

|                 |       |
|-----------------|-------|
| Length of cable | 1.5 m |
|-----------------|-------|

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 80 °C (Plug / socket) |
| Degree of protection            | IP65                             |
|                                 | IP67                             |
|                                 | IP68                             |

#### General

|                       |         |
|-----------------------|---------|
| Rated current at 40°C | 1 A     |
| Rated voltage         | 48 V AC |
|                       | 60 V DC |
| Number of positions   | 3       |
| Color handle area     | black   |
| Insulation resistance | ≥ 10 GΩ |

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## Technical data

### General

|                              |                              |
|------------------------------|------------------------------|
| Coding                       | A - standard                 |
| Standards/regulations        | M5 connector IEC 61076-2-105 |
| Status display               | No                           |
| Protective circuit/component | unwired                      |
| Overvoltage category         | II                           |
| Degree of pollution          | 3                            |
| Test voltage                 | 1750 V                       |
| Insertion/withdrawal cycles  | ≥ 100                        |

### Material

|                          |                     |
|--------------------------|---------------------|
| Contact material         | CuZn                |
| Contact surface material | Au                  |
| Contact carrier material | PUR                 |
| Material of grip body    | PUR                 |
| Material, knurls         | Nickel-plated brass |

### Standards and Regulations

|                          |                              |
|--------------------------|------------------------------|
| Standards/specifications | M5 connector IEC 61076-2-105 |
|--------------------------|------------------------------|

### Cable

|   |  |
|---|--|
| Cable type                                    | PUR/PVC black                                  |
| Conductor cross section                       | 3x 0.14 mm <sup>2</sup> (Signal line)          |
| AWG signal line                               | 26   |
| Conductor structure signal line               | 18x 0.10 mm                                    |
| Core diameter including insulation            | 1.1 mm   |
| Wire colors                                   | brown, blue, black                             |
| Overall twist                                 | 3 wires, twisted                               |
| External sheath, color                        | black RAL 9005                                 |
| External cable diameter D                     | 3 mm ±0.2 mm                                   |
| Smallest bending radius, fixed installation   | 8 mm   |
| Smallest bending radius, movable installation | 15 mm  |
| Cable weight                                  | 12.9 kg/km                                     |
| Outer sheath, material                        | PUR  |
| Material conductor insulation                 | PVC  |
| Conductor material                            | Bare Cu litz wires                             |
| Insulation resistance                         | 100 MΩ*km                                      |
| Conductor resistance                          | 148 Ω/km                                       |
| Nominal voltage, cable                        | 250 V  |
| Test voltage, cable                           | 800 V <sub>rms</sub>                           |
| Ambient temperature (operation)               | -15 °C ... 80 °C (cable, fixed installation)   |
|   | -5 °C ... 80 °C (cable, flexible installation) |

### Environmental Product Compliance

# Sensor/actuator cable - SAC-3P-M5MS/ 1,5-PUR - 1530265

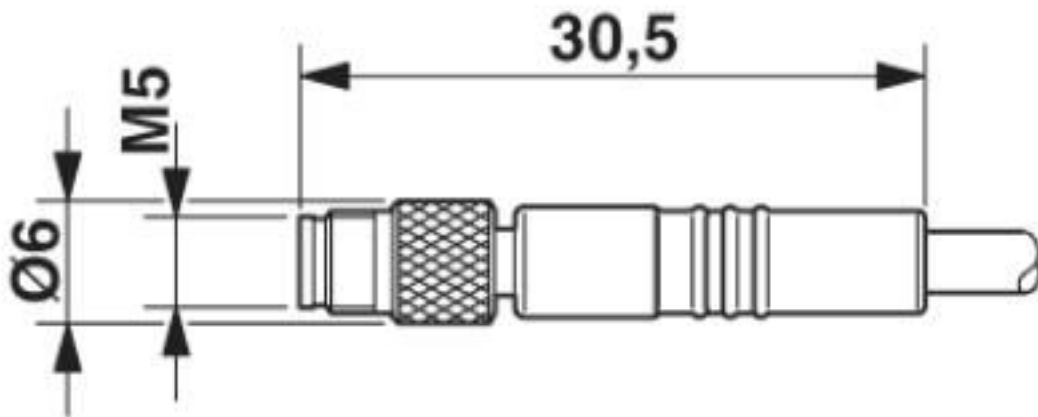
## Technical data

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

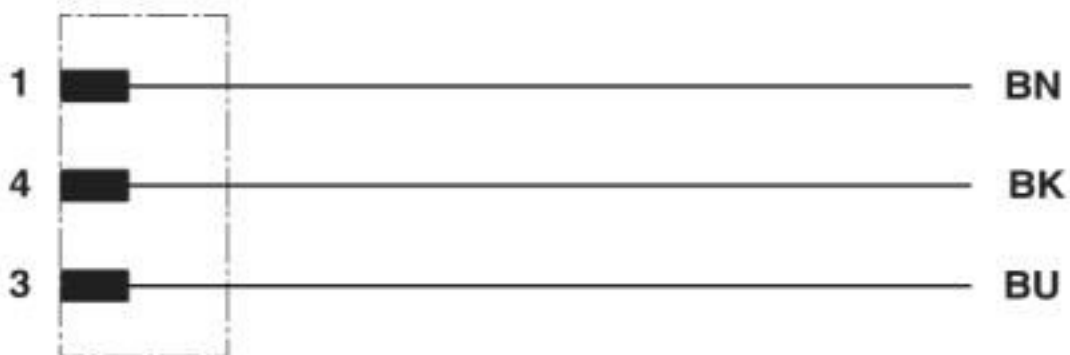
## Drawings

Dimensional drawing



Plug M5 x 0.5, straight

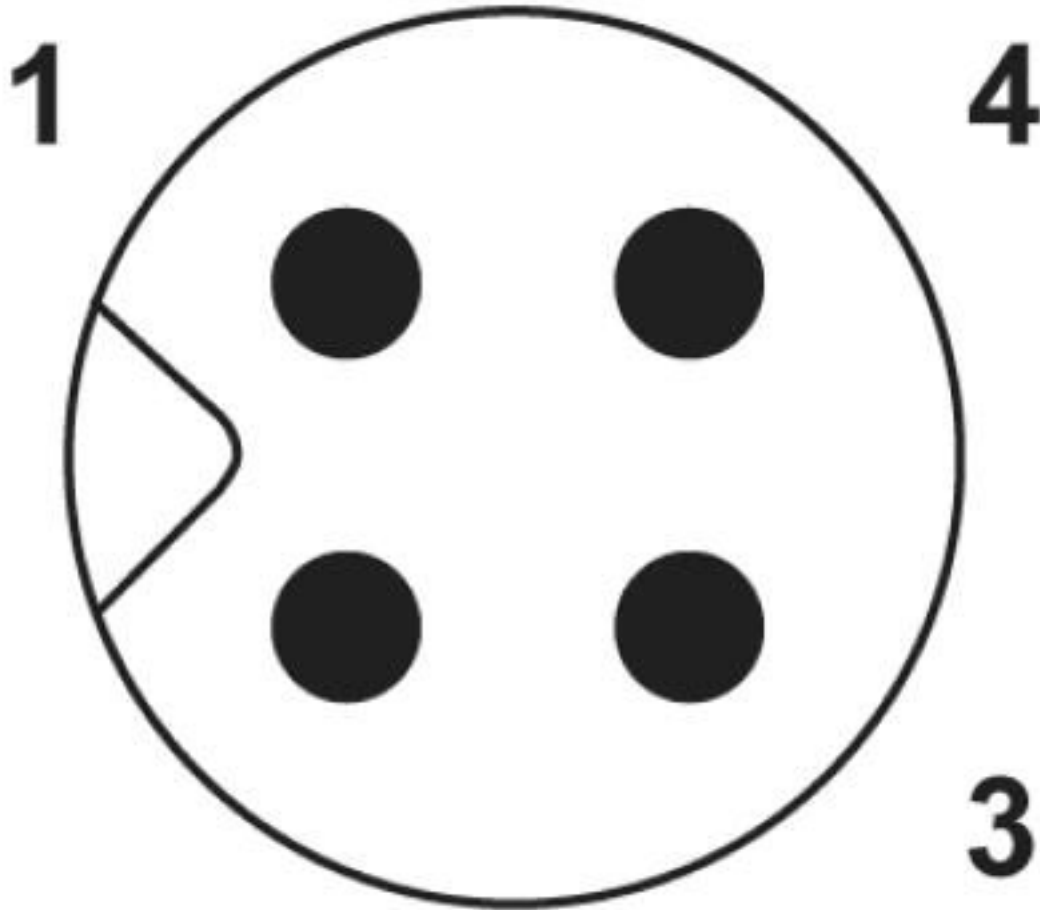
Circuit diagram



Contact assignment of the M5 connector

## Sensor/actuator cable - SAC-3P-M5MS/ 1,5-PUR - 1530265

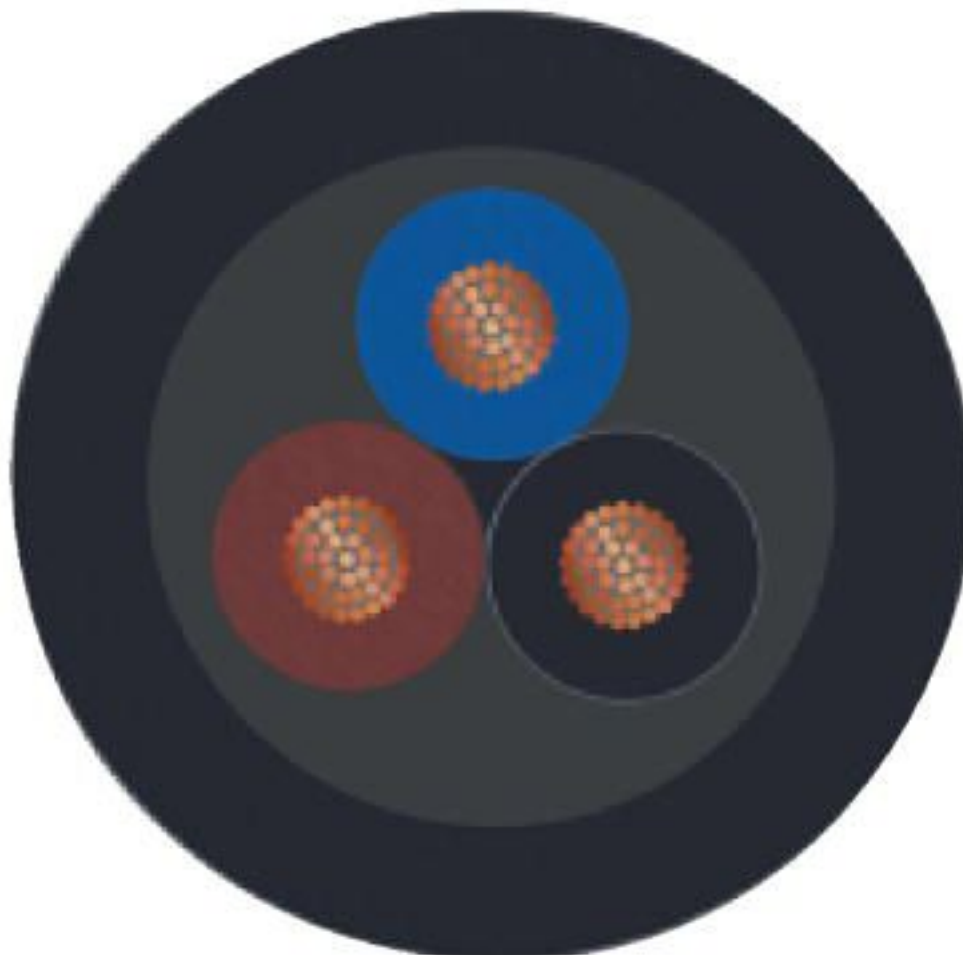
Schematic diagram



Plug M5, 3-pos.

## Sensor/actuator cable - SAC-3P-M5MS/ 1,5-PUR - 1530265

Cable cross section



PUR/PVC black [350]

### Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060300 |
| eCl@ss 4.1 | 27060300 |
| eCl@ss 5.0 | 27061800 |
| eCl@ss 5.1 | 27061800 |
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000830 |
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |
| ETIM 7.0 | EC001855 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 31251501 |
| UNSPSC 19.0   | 31251501 |

## Accessories

### Accessories

#### Conductor marking

Insert label - PABA WH/23 - 1013779



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 20

Insert label - PABA YE/23 - 1013782



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 20

#### Corrugated pipe

Protective hose - WP-PA HF 13,0 BK - 3240681



Polyamide protective hose, inflammability class V0, UV resistant

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### Accessories

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Protective hose - WP-PA HF-HB 13,0 BK - 3240839



Polyamide protective hose, inflammability class HB, UV resistant

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### Cutting tools

Diagonal cutter - CUTFOX-S VDE - 1212207



Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

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### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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### Stripping tool

Stripping tool - WIREFOX SAC-1 - 1212757



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 3.2 to 4.4 mm, any stripping length

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Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

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## Sensor/actuator cable - SAC-3P-M5MS/ 1,5-PUR - 1530265

### Accessories

Stripping tool - WIREFOX 10 - 1212150



Stripping tool, for cables and conductors from 0.02 - 10 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

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Protective hose adapter - WP-CTA POM 13,0 BK - 1422884



Protective hose adapter, for corrugated hoses with a nominal size of 13 (10 x 13), corrugated in parallel

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