

## Sensor/actuator cable - SAC-4P-M5MR/ 5,0-PUR - 1530401

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Sensor/actuator cable, 4-position, PUR, black RAL 9005, Plug angled M5, A-coded, on free cable end, cable length: 5 m

### Why buy this product

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

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 STK                                                                                                   |
| GTIN         | <br>4 046356 024204 |
| GTIN         | 4046356024204                                                                                           |

### Technical data

#### Dimensions

|                 |     |
|-----------------|-----|
| Length of cable | 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   | 4       |
| 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

|                       |                 |
|-----------------------|-----------------|
| Standard designation  | M5 connector    |
| Standards/regulations | IEC 61076-2-105 |

### Cable

|                                               |                                                |
|-----------------------------------------------|------------------------------------------------|
| Cable type                                    | PUR/PVC black                                  |
| Cable type (abbreviation)                     | 350                                            |
| Conductor cross section                       | 4x 0.14 mm <sup>2</sup> (Signal line)          |
| AWG signal line                               | 26                                             |
| Conductor structure signal line               | 18x 0.10 mm                                    |
| Core diameter including insulation            | 0.92 mm ±0.02 mm                               |
| Wire colors                                   | brown, white, blue, black                      |
| Overall twist                                 | 4 wires, twisted                               |
| External sheath, color                        | black RAL 9005                                 |
| External cable diameter D                     | 3.5 mm ±0.1 mm                                 |
| Smallest bending radius, fixed installation   | 9 mm                                           |
| Smallest bending radius, movable installation | 18 mm                                          |
| 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                        | 100 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) |

# Sensor/actuator cable - SAC-4P-M5MR/ 5,0-PUR - 1530401

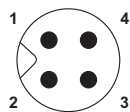
## Technical data

### Environmental Product Compliance

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

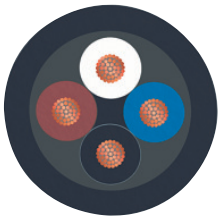
## Drawings

Schematic diagram



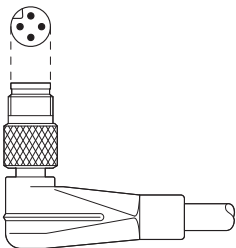
Plug M5, 4-pos.

Cable cross section



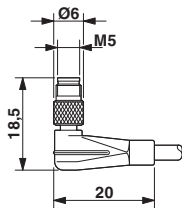
PUR/PVC black [350]

Schematic diagram



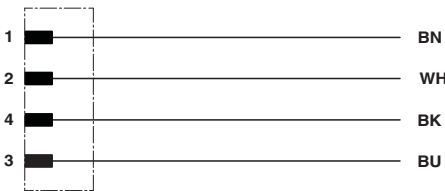
Layout of connector pin assignments

Dimensional drawing



Plug M5 x 0.5, angled

Circuit diagram



Contact assignment of the M5 connector

## Approvals

### Approvals

## Sensor/actuator cable - SAC-4P-M5MR/ 5,0-PUR - 1530401

### Approvals

Approvals

EAC

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Ex Approvals

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### Approval details

|     |                                                                                   |               |
|-----|-----------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-----------------------------------------------------------------------------------|---------------|

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