

Sensor/Actuator cable - SAC-3P-M5MR/ 5,0-PUR - 1530362

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, 3-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

Key Commercial Data

| | |
|--------------------------------------|--------------------------------|
| Packing unit | 1 STK |
| GTIN | |
| GTIN | 4046356024167 |
| Weight per Piece (excluding packing) | 70.300 g |
| Custom tariff number | 85444290 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

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 | 125 V |

Sensor/Actuator cable - SAC-3P-M5MR/ 5,0-PUR - 1530362

Technical data

General

| | |
|------------------------------|------------------------------|
| Number of positions | 3 |
| Insulation resistance | ≥ 10 GΩ |
| 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 |
| Conductor cross section | 3x 0.14 mm ² (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 _{rms} |

Sensor/Actuator cable - SAC-3P-M5MR/ 5,0-PUR - 1530362

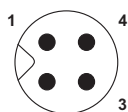
Technical data

Cable

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -15 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

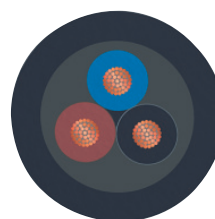
Drawings

Schematic diagram



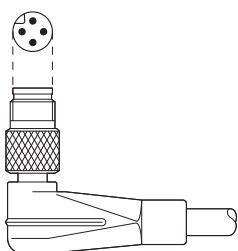
Plug M5, 3-pos.

Cable cross section



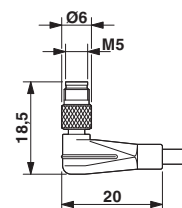
PUR/PVC black [350]

Schematic diagram



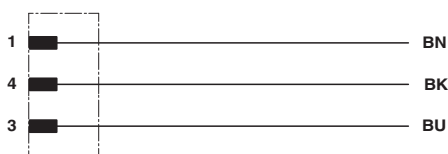
Layout of connector pin assignments

Dimensional drawing



Plug M5 x 0.5, angled

Circuit diagram



Contact assignment of the M5 connector

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |

Sensor/Actuator cable - SAC-3P-M5MR/ 5,0-PUR - 1530362

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |

ETIM

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

Approval details

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

Accessories

Accessories

Conductor marking

Sensor/Actuator cable - SAC-3P-M5MR/ 5,0-PUR - 1530362

Accessories

Insert label - PABA WH/23 - 1013779



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 1.5-35 mm, Lettering field: 23 x 4 mm

Insert label - PABA YE/23 - 1013782



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 1.5-35 mm, Lettering field: 23 x 4 mm

Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA YE/15 - 1013698



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Corrugated pipe

Sensor/Actuator cable - SAC-3P-M5MR/ 5,0-PUR - 1530362

Accessories

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



Polyamide protective hose, inflammability class V0, UV resistant

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



Polyamide protective hose, inflammability class HB, UV resistant

Cutting tools

Diagonal cutter - CUTFOX-S VDE - 1212207



Diagonal cutter for copper and aluminum conductors, VDE 1000 V AC/ 1500 V DC-tested

Marker carrier cable

Conductor marker carrier - PATG 2/15 - 1013038



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 2-4 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATG 3/15 - 1013041



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 4-7 mm, Lettering field: 4 x 15 mm

Sensor/Actuator cable - SAC-3P-M5MR/ 5,0-PUR - 1530362

Accessories

Conductor marker carrier - PATG 4/15 - 1013054



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 6-10 mm, Lettering field: 4 x 15 mm

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

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

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

Stripping tool - WIREFOX 10 - 1212150



Stripping tool, for cables and conductors from 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade

Sensor/Actuator cable - SAC-3P-M5MR/ 5,0-PUR - 1530362

Accessories

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