

SAC-4P-M5MS/ 1,5-PUR

Order No.: 1530304



Sensor/Actuator cable, 4-position, PUR, Black RAL 9005, Plug,
straightLink:M5, A-coded, on Free conductor end, Cable length: 1.5 m

Commercial data

| | |
|--------------------------|--------------------|
| EAN | 4 046356 024105 |
| Pack | 1 |
| Customs tariff | 85444190 |
| Country of Origin | DE |
| Catalog page information | Page 116 (PC-2011) |

Product notes

WEEE/RoHS-compliant since:
23/11/2005



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Technical data**General data**

| | |
|-----------------------|---------|
| Rated current at 40°C | 1 A |
| Rated voltage | 125 V |
| Number of positions | 4 |
| Volume resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 10 GΩ |

| | |
|---------------------------------|--|
| Length of cable | 1.5 m |
| Ambient temperature (operation) | -25 °C ... 80 °C (Male connector / female connector) |

General characteristics

| | |
|-----------------------------|------------------------------|
| Standards/regulations | M5 connector IEC 61076-2-105 |
| Coding | A - standard |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP65/IP67 |
| Insertion/withdrawal cycles | ≥ 100 |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PUR |
| Material of grip body | PUR |
| Material, knurls | Nickel-plated brass |
| Status display | No |
| Test voltage | 1750 V |

Conductor data

| | |
|---|---------------------------|
| Cable type | PUR/PVC black |
| Conductor cross section | 0.14 mm ² |
| AWG signal line | 26 |
| Conductor structure signal line | 18x 0.10 mm |
| Core diameter including insulation | 0.92 mm ±0.02 mm |
| External cable diameter | 3.50 mm |
| Wire colors | Black, brown, blue, white |
| External sheath, color | Black RAL 9005 |
| Insulation resistance | 100 MΩ*km |
| Conductor resistance | 148 mΩ/m |
| Nominal voltage, conductor | 100 V |
| Test voltage, conductor | 800 V _{rms} |
| Overall twist | 4 wires, twisted |
| Outer sheath, material | PUR |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Smallest bending radius, fixed installation | 9 mm |

| | |
|---|--|
| Smallest bending radius, movable installation | 18 mm |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

Accessories

| Item | Designation | Description |
|----------------|-------------|---|
| General | | |
| 1013944 | PABA RD/15 | Marker bar, unprinted: with 20 snap-off marker labels, lettering field 4 mm high, 15 mm wide, color: red |
| 1013151 | PABA WH/15 | Marker bar, unprinted: With 20 snap-off marker labels, lettering field 4 mm high, 15 mm wide, color: White |
| 1013698 | PABA YE/15 | Marker bar, unprinted: with 20 snap-off marker labels, lettering field 4 mm high, 15 mm wide, color: yellow |

Marking

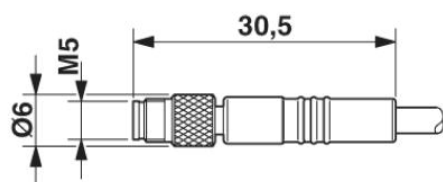
| | | |
|---------|-----------|---|
| 1051993 | B-STIFT | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm |
| 1013038 | PATG 2/15 | Conductor marker carrier, closed, 15 mm wide, conductor diameter 2.0 - 4.0 mm |
| 1013041 | PATG 3/15 | Conductor marker carrier, closed, 15 mm wide, conductor diameter 4.0 - 7.0 mm |
| 1013054 | PATG 4/15 | Conductor marker carrier, closed, 15 mm wide, conductor diameter 6.0 - 10.0 mm |

Tools

| | | |
|---------|--------------|---|
| 1212207 | CUTFOX-S VDE | Diagonal cutter for copper and aluminum conductors, VDE-tested |
| 1212150 | WIREFOX 10 | 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 |
| 1212623 | WIREFOX SAC | 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 |

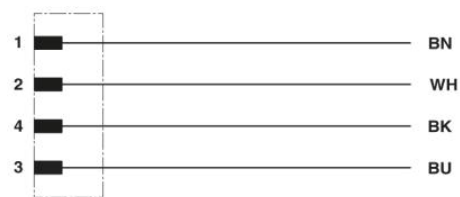
Drawings

Dimensioned drawing



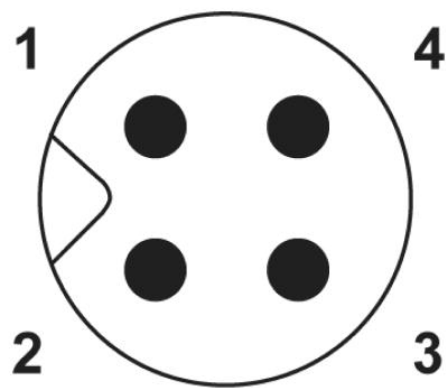
Plug M5 x 0.5, straight

Circuit diagram



Contact assignment of the M5 connector

Schematic diagram



Plug M5, 4-pos.