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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Sensor/actuator cable - SAC-4P-MR/ 1,5-PUR SCO - 1518847

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, Plug angled M12 SPEEDCON, A-coded, on free cable end, cable length: 1.5 m

Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Save time, thanks to installation with SPEEDCON fast locking system
- ✓ Our standard: robust halogen-free PUR cable



Key Commercial Data

| | |
|--------------|--|
| Packing unit | 1 STK |
| GTIN |  |
| GTIN | 4017918961220 |

Technical data

Dimensions

| | |
|--|-------|
| Length of cable | 1.5 m |
| Stripping length of the free conductor end | 50 mm |

Ambient conditions

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

General

| | |
|------------------------|----------|
| Rated current at 40 °C | 4 A |
| Rated voltage | 250 V AC |
| | 250 V DC |
| Number of positions | 4 |

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Technical data

General

| | |
|------------------------------|-------------------------------|
| Insulation resistance | ≥ 10 MΩ |
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Status display | No |
| Protective circuit/component | Unwired |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.4 Nm (M12 connector) |

Material

| | |
|--|---|
| Flammability rating according to UL 94 | HB |
| Contact material | CuSn |
| 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 | PUR halogen-free black |
| Cable abbreviation | Li9Y11Y-HF |
| Conductor cross section | 0.34 mm ² |
| AWG signal line | 22 |
| Conductor structure signal line | 42x 0.10 mm |
| Core diameter including insulation | 1.27 mm ±0.02 mm |
| Thickness, insulation | approx. 0.21 mm (Core insulation) |
| | approx. 0.8 mm (Outer cable sheath) |
| Wire colors | brown, white, blue, black |
| Overall twist | 4 wires, twisted |
| External sheath, color | black-gray RAL 7021 |
| External cable diameter | 4.70 mm |
| Smallest bending radius, movable installation | 47 mm |
| Number of bending cycles | 4000000 |
| Bending radius | 47 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Cable weight | 30 kg/km |
| Outer sheath, material | PUR |
| Material conductor insulation | PP |
| Conductor material | Bare Cu litz wires |
| Standards/specifications | M12 connector IEC 61076-2-101 |
| Insulation resistance | ≥ 100 MΩ*km |

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Technical data

Cable

| | |
|---------------------------------|--|
| Conductor resistance | ≤ 58 Ω/km |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 3000 V |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

Standards and Regulations

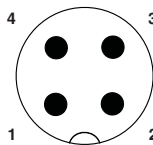
| | |
|--|-----------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-101 |
| Flammability rating according to UL 94 | HB |

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

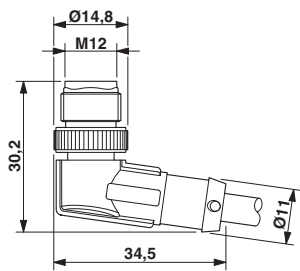
Drawings

Schematic diagram



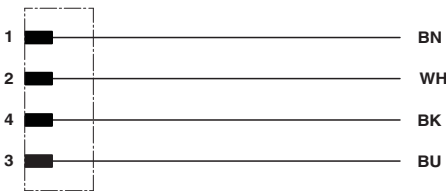
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Dimensional drawing



M12 x 1 male plug, angled

Circuit diagram



Contact assignment of the M12 plugs

Approvals

Approvals

Sensor/actuator cable - SAC-4P-MR/ 1,5-PUR SCO - 1518847


Approvals


Approvals


UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

| | | | |
|--------------------|---|---|---------------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| | | | |
| Nominal voltage UN | | 300 V | |
| Nominal current IN | | 4 A | |

| | | | |
|--------------------|---|---|---------------|
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| | | | |
| Nominal voltage UN | | 300 V | |
| Nominal current IN | | 4 A | |

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

| | |
|--------------|---|
| cULus Listed |  |
|--------------|---|

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