

Sensor/Actuator cable - SAC-3P-M12MR/1,5-PUR/CI-1L-S - 1669411

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Sensor/Actuator cable, 3-position, PUR/PVC, Black RAL 9005, Plug angled M12, A-coded, on Valve connector CI (9.4 mm), with 1 LED, connected with Z diode, Cable length: 1.5 m



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 1 |
| Weight per Piece (excluding packing) | 100.8 GRM |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

Technical data

Dimensions

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

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| | -20 °C ... 80 °C (valve plug) |
| Degree of protection | IP67 |

General

| | |
|------------------------------|----------------------------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 24 V |
| | 24 V (in acc. with DIN VDE 0110) |
| Number of positions | 3 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Status display | 1 LED |
| Protective circuit/component | Z diode |

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Technical data

General

| | |
|-----------------------------|-------|
| Surge voltage category | II |
| Pollution degree | 3 |
| Insertion/withdrawal cycles | ≥ 100 |

Material

| | |
|---|---|
| Inflammability class 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 |
| Valve plug contact material | CuSn |
| Valve plug contact surface material | Ag |
| Valve plug contact insert material | PBT |
| Material housing valve plug | PBT |
| Sealing material | TPU (Flat gasket valve plug) |

Cable

| | |
|---|--------------------------------------|
| Cable type | PUR/PVC black |
| Cable abbreviation | LiYY11Y-JZ |
| Conductor cross section | 0.75 mm ² |
| AWG signal line | 18 |
| Conductor structure signal line | 42x 0.15 mm |
| Core diameter including insulation | approx. 1.8 mm |
| Thickness, insulation | approx. 0.34 mm (Core insulation) |
| | approx. 0.35 mm (Outer cable sheath) |
| | approx. 0.3 mm (Inner sheath) |
| Wire colors | black 1, black 2, green/yellow |
| Overall twist | 3 concentrically twisted wires |
| External sheath, color | Black RAL 9005 |
| External cable diameter | 5.90 mm |
| Smallest bending radius, movable installation | 59 mm |
| Outer sheath, material | PUR |
| Material, inner sheath | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 1 MΩ*km |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 2000 V |

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Technical data

Cable

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -30 °C ... 70 °C (cable, fixed installation) |
| | -5 °C ... 70 °C (cable, flexible installation) |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27061801 |

ETIM

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

UNSPSC

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

Approvals

Approvals

Approvals

GOST

Ex Approvals

Sensor/Actuator cable - SAC-3P-M12MR/1,5-PUR/CI-1L-S - 1669411

Approvals

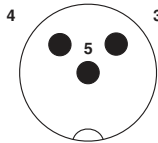
Approvals submitted

Approval details



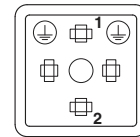
Drawings

Schematic diagram



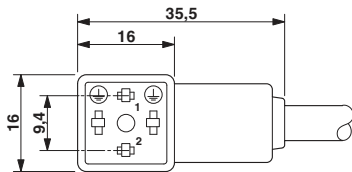
Pin assignment M12 plug, 3-pos., valve connector

Schematic diagram



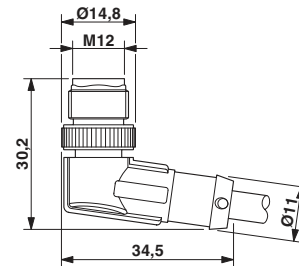
Valve connector connector pin assignment, type CI

Dimensioned drawing



Valve connector, type CI

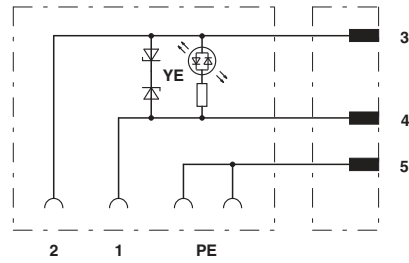
Dimensioned drawing



M12 x 1 male plug, angled

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Circuit diagram



Contact assignment of M12 plug and valve connector