

Sensor/Actuator cable - SAC-3P-M12MS/1,0-150/A-1L-Z - 1400620

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Sensor/Actuator cable, 3-position, PUR halogen-free, Irradiated, highly flexible, orange RAL 2003, Plug straight M12, A-coded, on A valve plug, with 1 LED, connected with Z diode, Cable length: 1 m

As shown in the illustration but with an orange conductor

Key commercial data

| | |
|------------------------|--|
| Packing unit | 0 |
| Minimum order quantity | 100 |
| GTIN |  4 046356 509275 |
| Custom tariff number | 85444290 |
| Country of origin | POLAND |

Technical data

General data

| | |
|---------------------------------|--|
| Rated current at 40°C | 4 A |
| Rated voltage | 24 V |
| Number of positions | 3 |
| Volume resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Length of cable | 1 m |
| Ambient temperature (operation) | -25 °C ... 90 °C (Male connector / female connector) |
| Ambient temperature (operation) | -20 °C ... 85 °C (valve plug) |

General characteristics

| | |
|-----------------------------|----------------------------------|
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Standards/regulations | Valve connector EN 175301-803 |
| Coding | A - standard |
| Surge voltage category | III |
| Pollution degree | 3 |
| Degree of protection | IP65/67 |
| Insertion/withdrawal cycles | ≥ 100 (M12 connector) |
| Torque | 0.4 Nm (M12 connector) |
| Torque | 0.6 Nm (Valve plug-in connector) |
| Contact material | CuSn |

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Technical data

General characteristics

| | |
|------------------------------------|------------------------------|
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material of grip body | TPU |
| Contact material | CuSn |
| Contact surface material | Sn |
| Valve plug contact insert material | PA 66 |
| Material housing valve plug | TPU |
| Material, knurls | Zinc die-cast, nickel-plated |
| Sealing material | TPU (Seal molded) |
| Status display | 1 LED |
| Protective circuit/component | Z diode |

Conductor data

| | |
|------------------------------------|--|
| Cable type | PUR irradiated halogen-free orange |
| Cable type (abbreviation) | 150 |
| Cable abbreviation | Li12Y11X |
| Conductor cross section | 3x 0.5 mm ² (signal line) |
| AWG signal line | 20 |
| Conductor structure signal line | 28x 0.15 mm |
| Core diameter including insulation | 1.46 mm ±0.02 mm (signal line) |
| Thickness, insulation | ≥ 0.21 mm (Core insulation) |
| Thickness, insulation | Approx. 0.6 mm (Outer cable sheath) |
| External cable diameter | 4.5 mm ±0.15 mm |
| Wire colors | Black 1, black 2, green/yellow |
| External sheath, color | orange RAL 2003 |
| Insulation resistance | ≥ 100 MΩ*km (at 20 °C) |
| Conductor resistance | max. 39 Ω/km (at 20 °C) |
| Nominal voltage, conductor | ≤ 300 V |
| Test voltage, conductor | ≥ 3000 V |
| Overall twist | 3 wires, twisted |
| Outer sheath, material | PUR |
| Material conductor insulation | TPE-E |
| Conductor material | Bare Cu litz wires |
| Cable weight | 31 kg/km |
| Number of bending cycles | 5000000 |
| Bending radius | 45 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) |
| Ambient temperature (operation) | -5 °C ... 80 °C (cable, flexible installation) |
| Flame resistance | in accordance with DIN UL-Style 20549 |
| Halogen-free | in accordance with DIN VDE 0472 part 815 |

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Classifications

eclass

| | |
|------------|----------|
| 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 |

etim

| | |
|----------|----------|
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |

unspsc

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

Accessories

Accessories

Assembly

Screw - SAC-V-SCREW-M3-29 KNURL - 1403779



Phillips head screw with plastic knurl, M3 x 40

Fuse

Fuse clip - SAC-M12-EXCLIP-M - 1558988



Fuse clip for the pin side of various M12 sensor/actuator connectors prevents plug-in connections being interrupted without using a tool

Marking

Sensor/Actuator cable - SAC-3P-M12MS/1,0-150/A-1L-Z - 1400620

Accessories

Insert label - PABA WH/15 - 1013151



Insert label, white, Unlabeled, Can be labeled with: 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, yellow, Unlabeled, Can be labeled with: 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, red, Unlabeled, Can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Conductor marker carrier - PATO 2/15 - 1013122



Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 2.8-5 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATO 3/15 - 1013135



Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 5-8 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATO 4/15 - 1013148



Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 8-10 mm, Lettering field: 4 x 15 mm

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Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Protection and sealing elements

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 sockets



Tools

Screw insert - SF-BIT-PH 1-70 - 1212582



Screw bit, PH crosshead, E6.3-1/4" drive, size: PH 1 x 70 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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Accessories

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

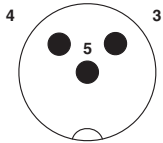
Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

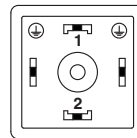
Drawings

Schematic diagram



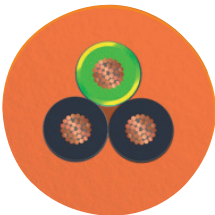
Pin assignment M12 plug, 3-pos., valve connector

Schematic diagram



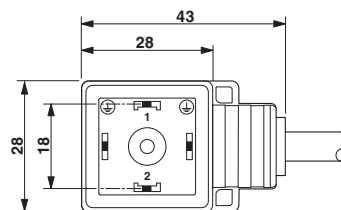
Valve connector pin assignment, type A

Cable cross section



PUR irradiated halogen-free orange [150]

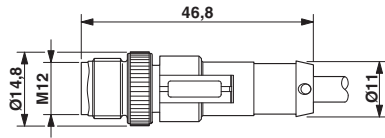
Dimensioned drawing



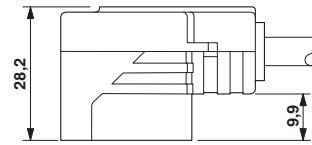
Valve plug, type A

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Dimensioned drawing



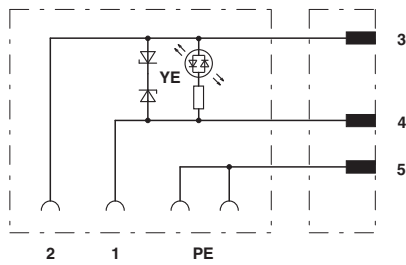
Dimensioned drawing



Valve connector, type A, side view

M12 x 1 male connector, straight

Circuit diagram



Contact assignment of M12 plug and valve connector

单击下面可查看定价，库存，交付和生命周期等信息

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