

Sensor/actuator cable - SAC-5P-MS/ 2,5-927/FR SCO JLG



1573701

<https://www.phoenixcontact.com/us/products/1573701>

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Sensor/actuator cable, PVC, black, Plug straight M12 SPEEDCON, on Socket angled M12 SPEEDCON

Commercial Data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1573701 |
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Note | Made to Order (non-returnable) |
| Sales Key | B06 |
| Product Key | BF1CDD |
| GTIN | 4046356435956 |
| Weight per Piece (including packing) | 255.1 g |
| Weight per Piece (excluding packing) | 255.1 g |
| Customs tariff number | 85444290 |
| Country of origin | PL |

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Technical Data

Electrical properties

| | |
|-----------------------|---------|
| Nominal voltage U_N | 48 V AC |
| | 60 V DC |

Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Plug |
| Head cable outlet | straight |
| Head thread type | M12 |
| Head locking type | SPEEDCON |

Connection 2

| | |
|-------------------|----------|
| Head design | Socket |
| Head cable outlet | angled |
| Head thread type | M12 |
| Head locking type | SPEEDCON |

Cable / line

CANopen[®]/DeviceNet[™], PVC, black [927]

| | |
|---------------------------------|-----------------------------------------------------------------|
| Cable weight | 83 kg/km |
| UL AWM Style | 2464 (80°C/300 V) |
| Number of positions | 4 |
| Shielded | yes |
| Cable type | CANopen [®] /DeviceNet [™] , PVC, black [927] |
| Signal runtime | 4.46 ns/m |
| Conductor structure signal line | 44x 0.10 mm |
| AWG signal line | 22 |
| Conductor cross section | 2x 0.34 mm ² (Signal line) |
| | 2x 0.34 mm ² (Power supply) |
| | 1x 0.38 mm ² (Drain wire) |
| Wire diameter incl. insulation | 2.55 mm (Signal line) |
| | 1.37 mm (Power supply) |
| External cable diameter | 8.3 mm ±0.3 mm |
| Outer sheath, material | PVC |
| External sheath, color | black |
| Conductor material | Tin-plated Cu litz wires |
| Material wire insulation | Foamed PP (Signal line) |
| | PVC (Power supply) |
| Single wire, color | red-black, blue-white |
| Thickness, insulation | ≥ 0.3 mm (Wire insulation power supply) |
| Thickness, outer sheath | ≥ 1 mm |

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| | |
|-----------------------------------------------|-----------------------------------------------------------------------------|
| Twisted pairs | 2 cores to the pair |
| Type of pair shielding | Aluminum-lined polyester foil |
| Overall twist | 2 pairs with filler elements, around a drain wire in the center to the core |
| Optical shield covering | 85 % |
| Max. conductor resistance | $\leq 56 \Omega/\text{km}$ |
| Insulation resistance | $\geq 20 \text{ M}\Omega \cdot \text{km}$ |
| Wave impedance | $120 \Omega \pm 12 \Omega$ (f = 1 MHz) |
| Working capacitance | approx. 39.8 nF (Signal line, Core-Core) |
| | $\leq 4000 \text{ pF}$ (Signal line, Core-Shield) |
| Nominal voltage, cable | $\leq 300 \text{ V}$ |
| Test voltage | 2000 V (50 Hz, 1 min.) |
| Minimum bending radius, fixed installation | 4 x D |
| Minimum bending radius, flexible installation | 8 x D |
| Flame resistance | in acc. with UL 1581, section 1061 |
| Ambient temperature (operation) | -30 °C ... 80 °C |

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-9.0 | 27060311 |
| ECLASS-10.0.1 | 27060311 |
| ECLASS-11.0 | 27060307 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121604 |
|-------------|----------|

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Environmental Product Compliance

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

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