

Sensor/Actuator cable - SAC-5P- 5,0-PUR/M12FS SH BK - 1536777

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Sensor/Actuator cable, 5-position, PUR/PVC, Black-gray RAL 7021, shielded, Free cable end, on Socket straight M12, A-coded, Cable length: 5 m

The illustration shows the version with a green head



Key commercial data

| | |
|------------------------|----------|
| Packing unit | 1 1 |
| Minimum order quantity | 50 1 |
| Custom tariff number | 85444290 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|--|-------|
| Length of cable | 5 m |
| Stripping length of the free conductor end | 50 mm |

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP65 |
| | IP67 |

General

| | |
|-----------------------------|--------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 60 V |
| Number of positions | 5 |
| Contact resistance | ≤ 5 Ω |
| Coding | A - standard |
| Insertion/withdrawal cycles | ≥ 100 |

Material

Sensor/Actuator cable - SAC-5P- 5,0-PUR/M12FS SH BK - 1536777

Technical data

Material

| | |
|--------------------------|-------|
| Contact material | CuSn |
| Contact surface material | Ni/Au |

Cable

| | |
|---|-----------------------------------|
| Cable type | PUR/PVC shielded, black |
| Cable abbreviation | LiYYV1CY11Y |
| Conductor cross section | 0.34 mm ² |
| AWG signal line | 22 |
| Conductor structure signal line | 42x 0.10 mm |
| Core diameter including insulation | 1.52 mm ±0.02 mm |
| Thickness, insulation | ≥ 0.23 mm (Core insulation) |
| | ≥ 0.38 mm (Outer cable sheath) |
| Wire colors | Brown, white, blue, black, gray |
| Overall twist | 5 wires around filler to the core |
| Shielding | Tinned copper braided shield |
| Optical shield covering | 85 % |
| External sheath, color | Black-gray RAL 7021 |
| External cable diameter | 5.90 mm |
| Smallest bending radius, fixed installation | 60 mm |
| Smallest bending radius, movable installation | 60 mm |
| Number of bending cycles | 2000000 |
| Bending radius | 60 mm |
| Traversing path | 5 m |
| Traversing rate | 3 m/s |
| Cable weight | 55 kg/km |
| Outer sheath, material | PUR |
| Material, inner sheath | PVC |
| Material, filler | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 100 MΩ*km |
| Conductor resistance | ≤ 57.3 Ω/km |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 3000 V |

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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

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

Sensor/Actuator cable - SAC-5P- 5,0-PUR/M12FS SH BK - 1536777

Approvals

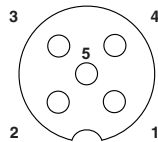
| | |
|--------------------|-------|
| UL Listed | |
| Nominal current IN | 4 A |
| Nominal voltage UN | 125 V |

| | |
|--------------------|-------|
| cUL Listed | |
| Nominal current IN | 4 A |
| Nominal voltage UN | 125 V |

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

Drawings

Schematic diagram



Pin assignment M12 socket, 5-pos.

Dimensioned drawing



M12 x 1 socket, straight, shielded

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Circuit diagram



Contact assignment of the M12 plug and the M12 socket