

Sensor/actuator cable - SAC-3P-M5MS/1,0-PUR/M5FS - 1402496

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Sensor/actuator cable, 3-position, PUR, black RAL 9005, Plug straight M5, A-coded, on Socket straight M5, A-coded, cable length: 1 m

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 620345
GTIN	4046356620345

Technical data

Dimensions

Length of cable	1 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67

General

Rated current at 40°C	1 A
Rated voltage	48 V AC
	60 V DC
Number of positions	3
Insulation resistance	≥ 10 GΩ
Coding	A - standard
Status display	No
Overvoltage category	II
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

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Technical data

Material

Contact material	CuZn
Contact surface material	Au
Contact carrier material	PUR
Material of grip body	PUR
Material, knurls	Nickel-plated brass

Cable

Cable type	PUR/PVC black
Conductor cross section	3x 0.14 mm ² (Signal line)
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1.1 mm
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	black RAL 9005
External cable diameter D	3 mm ±0.2 mm
Smallest bending radius, fixed installation	8 mm
Smallest bending radius, movable installation	15 mm
Cable weight	12.9 kg/km
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	100 MΩ*km
Conductor resistance	148 Ω/km
Nominal voltage, cable	250 V
Test voltage, cable	800 V _{rms}
Ambient temperature (operation)	-15 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

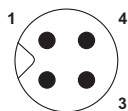
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

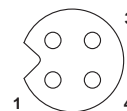
Sensor/actuator cable - SAC-3P-M5MS/1,0-PUR/M5FS - 1402496

Schematic diagram



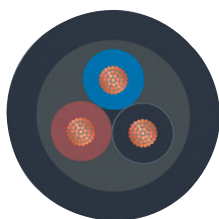
Plug M5, 3-pos.

Schematic diagram



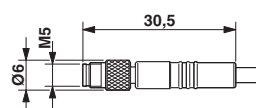
Socket M5, 3-pos.

Cable cross section



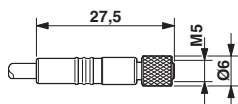
PUR/PVC black [350]

Dimensional drawing



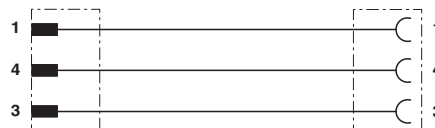
Plug M5 x 0.5, straight

Dimensional drawing



Socket M5 x 0.5, straight

Circuit diagram



Contact assignment of the M5 male/female connectors

Mouser Electronics

Authorized Distributor

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