

Sensor/actuator cable - SAC-3P-M12MR/10,0-116 VC - 1405612

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Sensor/actuator cable, 3-pos., PUR/PVC, black RAL 9005, angled M12 plug, to free cable end, cable length: 10 m

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 750356
GTIN	4046356750356

Technical data

Dimensions

Length of cable	10 m
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General

Rated voltage	250 V AC
	250 V DC
Number of positions	3
Insulation resistance	≥ 100 MΩ
Coding	A - standard

Material

Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Sealing material	TPU

Standards and Regulations

Flame resistance	DIN VDE 0482
	DIN EN 50265-2-1
	in acc. with UL FT-2
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant

Cable

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Technical data

Cable

Cable type	PUR/PVC, 0.75 mm ² , black
Cable type (abbreviation)	116
Cable abbreviation	LiYY11Y
UL AWM style	20549
Conductor cross section	3x 0.75 mm ²
AWG signal line	18
Conductor structure signal line	24x 0.20 mm
Core diameter including insulation	1.7 mm ±0.05 mm
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black RAL 9005
External cable diameter D	5.8 mm ±0.2 mm
Minimum bending radius, flexible installation	10 x D
Number of bending cycles	1000000
Traversing rate	2 m/s
Acceleration	2.5 m/s ²
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	26 Ω/km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage, cable	1200 V
Special properties	flexible
Flame resistance	DIN VDE 0482
	DIN EN 50265-2-1
	in acc. with UL FT-2
Other resistance	Low adhesion
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

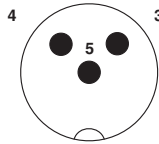
Environmental Product Compliance

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

Drawings

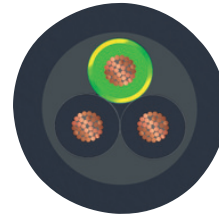
Sensor/actuator cable - SAC-3P-M12MR/10,0-116 VC - 1405612

Schematic diagram



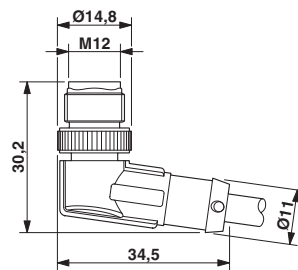
Pin assignment M12 plug, 3-pos., valve connector

Cable cross section



PUR/PVC black [116]

Dimensional drawing



M12 x 1 male plug, angled

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