



Extract from the online catalog

SAC-3P-M12MS/5,0-PVC

Order No.: 1693173

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1693173>

Sensor/Actuator cable, 3-position, PVC, Black RAL 9005, Plug, straight M12, A-coded, on Free conductor end, Cable length: 5 m

Commercial data	
EAN	4017918428518
sales group	D110
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.1915 KG

Product notes

WEEE/RoHS-compliant since:
12/01/2005



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Technical data

General data	
Nominal current I_N	4 A
Nominal voltage U_N	250 V
Number of positions	3
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	5 m
Stripping length of the free conductor end	50 mm

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General characteristics

Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Status display	No

Conductor data

Cable type	PVC black
Cable type (abbreviation)	PVC
Cable abbreviation	LiYY
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)
	≥ 0.76 mm (Outer cable sheath)
External cable diameter	5.20 mm
Wire colors	Brown, blue, black
External sheath, color	Black RAL 9005
Insulation resistance	≥ 100 MΩ*km
Conductor resistance	max. 57.3 Ω/km
Nominal voltage, conductor	300 V
Test voltage, conductor	2500 V
Overall twist	3 wires, twisted
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Cable weight	40 kg/km
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

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Flame resistance	As per UL-Style 2464
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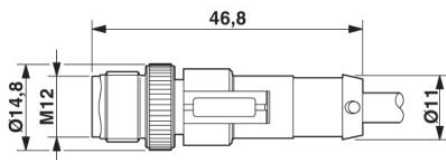
Certificates / Approvals



Certification CUL Listed, UL Listed

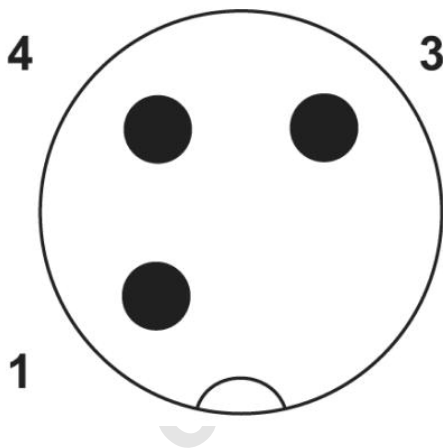
Diagrams/Drawings

Dimensioned drawing



M12 x 1 male connector, straight

Schematic diagram



Pin assignment M12 plug, 3-pos., A-coded, view male side

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