



Extract from the online catalog

SAC-4P-M12MS/10,0-186

Order No.: 1509461



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1509461>

Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Free conductor end, Cable length: 10 m

Commercial data	
EAN	4017918899103
Note	Made-to-order
sales group	D111
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.5772 KG
Catalog page information	Page 12 (PC-2005)

Product notes

WEEE/RoHS-compliant since:
07/25/2006



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Technical data

General data	
Nominal current I_N	4 A
Nominal voltage U_N	250 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

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Length of cable	10 m
Stripping length of the free conductor end	50 mm
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	PUR/PVC black
Cable type (abbreviation)	186
Cable abbreviation	LiY11Y
Conductor cross section	0.75 mm ²
AWG signal line	18
Conductor structure, signal line	42x 0.15 mm
Core diameter including insulation	1.75 mm ±0.05 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.76 mm (Outer cable sheath)
External cable diameter	5.90 mm
Wire colors	Brown, white, blue, black
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 1 MΩ*km
Conductor resistance	max. 26 Ω/km
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V
Overall twist	4 wires, twisted
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires

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Cable weight	57 kg/km
Smallest bending radius, movable installation	59 mm
Number of bending cycles	2000000
Bending radius	59 mm
Traversing path	5 m
Traversing rate	3 m/s
Acceleration	5 m/s ²
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)
Flame resistance	As per UL-Style 20549

Certificates / Approvals

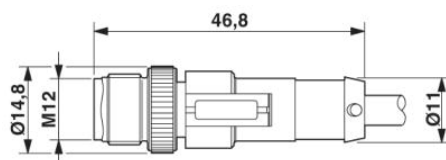


Certification

CUL Listed, UL Listed

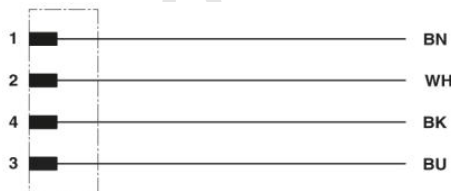
Diagrams/Drawings

Dimensioned drawing



M12 x 1 male connector, straight

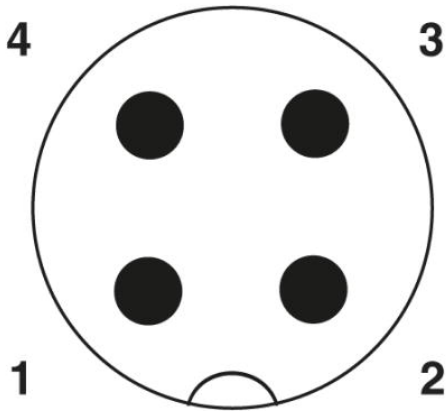
Circuit diagram



Contact assignment of M12 connectors / sockets bridged

Schematic diagram

Pin assignment M12 plug, 4-pos., A-coded, view plug side



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