

## SAC-6P-M 8MS/ 5,0-PUR

Order No.: 1522118

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1522118>

Sensor/Actuator cable, 6-position, PUR halogen-free, Black-gray RAL 7021, Plug, straightLink:M8, on Free conductor end, Cable length: 5 m

### Commercial data

GTIN (EAN)	 4 046356 020923
Note	Made-to-order
sales group	D131
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 142 (PC-2011)

### Product notes

WEEE/RoHS-compliant since:  
09/21/2006



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### Technical data

#### General data

Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	6
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ

Length of cable	5 m
Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

#### General characteristics

Standards/regulations	M8 connector IEC 61076-2-104
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Torque	0.2 Nm (M8 plug-in connectors)
Contact material	CuZn
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 halogen-free black
Cable type (abbreviation)	PUR
Conductor cross section	0.25 mm <sup>2</sup>
AWG signal line	24
Conductor structure signal line	32 x 0.10 mm
Core diameter including insulation	1.17 mm ±0.02 mm
External cable diameter	5.00 mm
Wire colors	brown, white, blue, black, gray, pink
External sheath, color	Black-gray RAL 7021
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Cable weight	34 kg/km
Number of bending cycles	4000000
Bending radius	50 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>

Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant

**Certificates / Approvals**

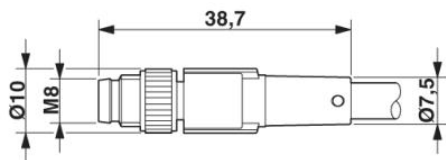


Certification

CUL Listed, UL Listed

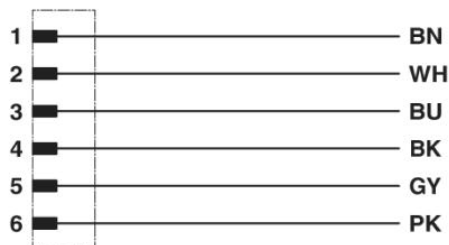
**Diagrams/Drawings**

Dimensioned drawing



M8 x 1 male connector, straight version

Circuit diagram

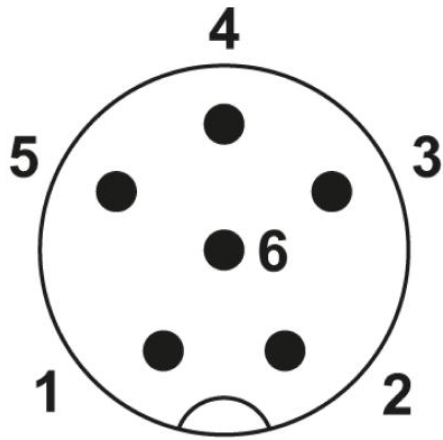


Contact assignment of the M8 plug

Schematic diagram

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Pin assignment M8 plug, 6-pos., view male side



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