

**SAC-6P-M 8MS/10,0-PUR SH**

Order No.: 1522325

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1522325>Sensor/actuator cable, 6-pos., PUR halogen-free black, shielded,  
straight M8 plug on free conductor end, cable length: 10 m**Commercial data**

EAN	4046356021098
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.3731 KG
Catalog page information	Page 91 (PC-2009)

**Product notes**WEEE/RoHS-compliant since:  
09/14/2006

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**Technical data****General data**

Nominal current $I_N$	1.5 A
Nominal voltage $U_N$	30 V
Number of positions	6
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

Length of cable	10 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

#### General characteristics

Coding	A - standard
Inflammability class acc. to UL 94	HB
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP67/IP69K
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

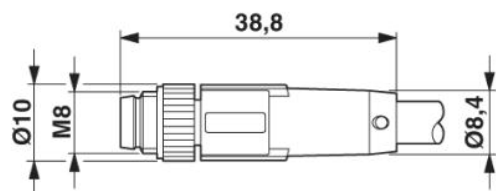
#### Conductor data

Cable type	PUR halogen-free black shielded
Conductor cross section	0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure, signal line	18x 0.10 mm
Core diameter including insulation	1.05 mm ±0.02 mm
External cable diameter	5.20 mm
Wire colors	Brown, white, black, blue, gray, pink
External sheath, color	Black-gray RAL 7021
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Cable weight	34 kg/km
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Number of bending cycles	4000000
Bending radius	52 mm
Traversing path	10 m
Traversing rate	3 m/s

Acceleration	10 m/s <sup>2</sup>
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Flame resistance	As per UL-Style 20549
Freedom from halogen	As per DIN VDE 0472 part 815
Resistance to oil	complying with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant

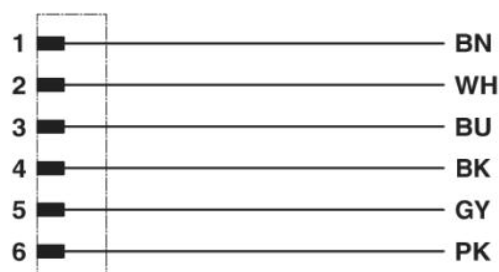
### Drawings

Dimensioned drawing



Plug M8 x 1, straight, shielded

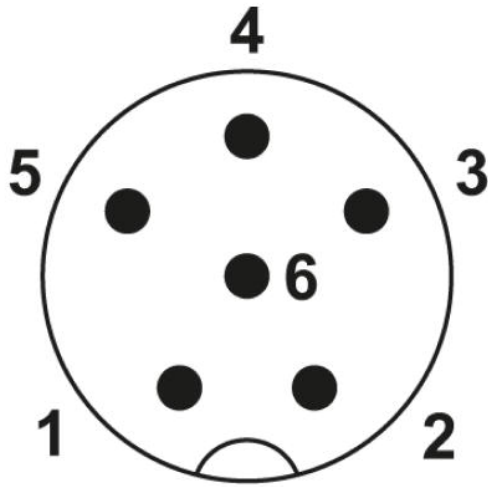
Circuit diagram



Contact assignment of the M8 plug

Schematic diagram

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



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