

## SAC-6P- 3,0-PUR/M 8FS

Order No.: 1522202



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1522202>

Sensor/Actuator cable, 6-position, PUR halogen-free, Black-gray RAL 7021, Free conductor end, on Socket, straight M8, Cable length: 3 m

### Commercial data

GTIN (EAN)	 4 046356 020992
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:  
08/16/2005



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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	3 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
Sealing material	NBR
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**



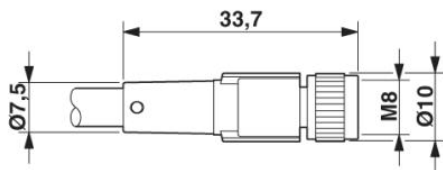
Certification

CUL Listed, UL Listed

**Diagrams/Drawings**

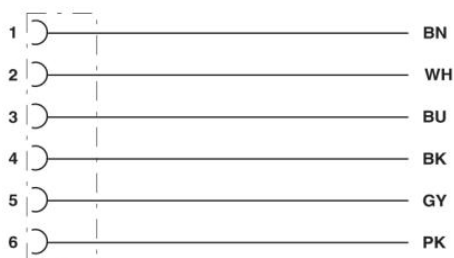
Dimensioned drawing

M8 x 1 female connector, straight version



Circuit diagram

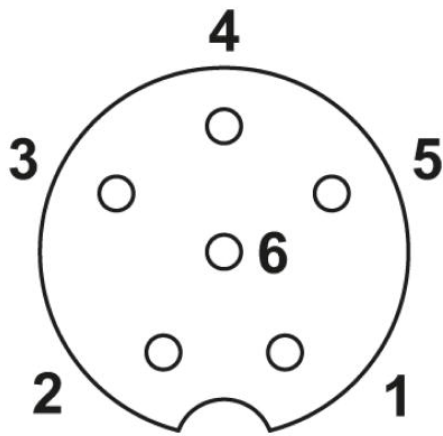
Contact assignment of M8 socket



Schematic diagram

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Pin assignment M8 socket, 6-pos.



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



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