


**SAC-3P-M 8MS/0,3-PUR/M 8FS SO**

Order No.: 1559741

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1559741>

Sensor/Actuator cable, 3-position, PUR halogen-free, Black-gray RAL 7021, Plug, straightLink:M8, on Socket, straight M8, Cable length: 0.3 m

Commercial data	
GTIN (EAN)	 4 046356 304078
Note	Made-to-order
sales group	D130
Pack	50 pcs.
Customs tariff	85444290

## Product notes

WEEE/RoHS-compliant since:  
07/17/2007



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Technical data	
<b>General data</b>	
Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Volume resistance	≤ 5 mΩ

Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	0.3 m

#### 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
Sealing material	NBR
Status display	No

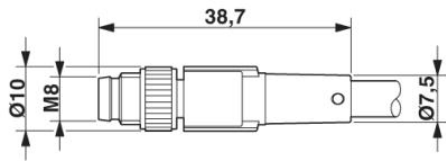
#### Conductor data

Cable type	PUR halogen-free black
Cable abbreviation	Li9Y11Y-HF
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	1.15 mm $\pm$ 0.05 mm
Thickness, insulation	$\geq 0.38 \text{ mm}$ (Core insulation)
External cable diameter	4.40 mm
Wire colors	Brown, blue, black
External sheath, color	Black-gray RAL 7021
Insulation resistance	$\geq 100 \text{ G}\Omega \cdot \text{km}$
Conductor resistance	$\leq 77.6 \text{ }\Omega/\text{m}$
Nominal voltage, conductor	300 V
Test voltage, conductor	4000 V
Overall twist	3 wires, twisted
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	23 kg/km

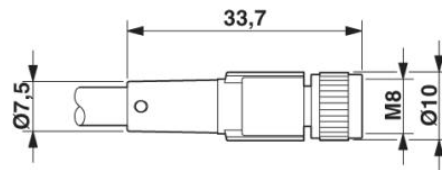
Smallest bending radius, movable installation	44 mm
Number of bending cycles	4000000
Bending radius	44 mm
Traversing path	10 m
Traversing rate	3 m/s

**Diagrams/Drawings**

Dimensioned drawing

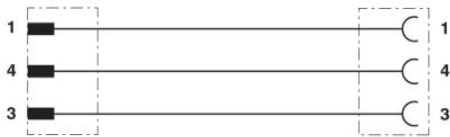


M8 x 1 male connector, straight version



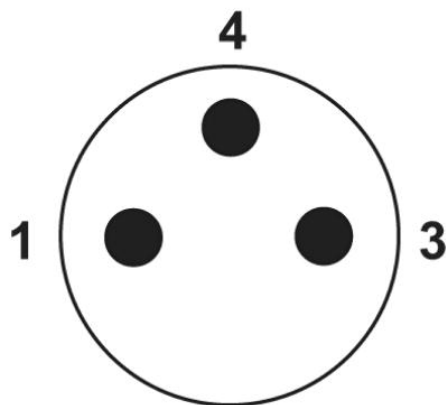
Socket M8 x 1, straight

Circuit diagram

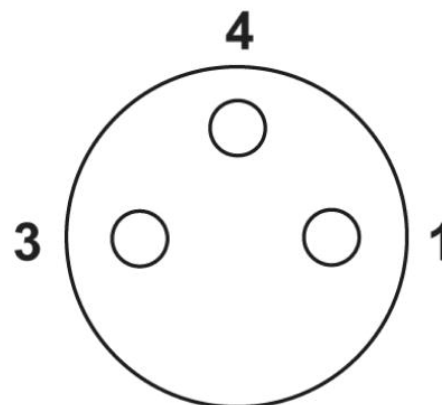


Contact assignment of M8 plugs/sockets

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side



Pin assignment M8 socket, 3-pos., view female side

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