


SAC-3P-M 8MS/ 1,0-PUR/M 8FS

Order No.: 1696978

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1696978>

Sensor-/Aktor-Kabel, 3-polig, PUR halogenfrei, schwarzgrau RAL 7021, Stecker gerade M8, auf Buchse gerade M8, Kabellänge: 1 m

Commercial data

EAN	 4 017918 593506
Pack	1 pcs.
Customs tariff	85444290

Product notes

WEEE/RoHS-compliant since:
06/01/2005



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data**General data**

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ

Length of cable	1 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 type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
UL AWM Style	20549
Conductor cross section	3x 0.25 mm ² (signal line)
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.17 mm ±0.02 mm (signal line)
Thickness, insulation	≥ 0.38 mm (Core insulation) Approx. 0.9 mm (Outer cable sheath)
External cable diameter	4.4 mm ±0.15 mm
Wire colors	brown, blue, black
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 100 GΩ*km (at 20 °C)
Conductor resistance	≤ 78 Ω/km (at 20 °C)
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V
Overall twist	3 wires, twisted
Length of twist, overall twist	40 mm
Outer sheath, material	PUR

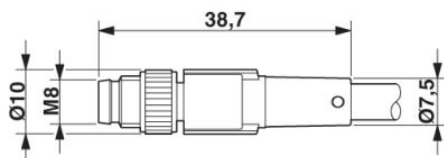
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	24 kg/km
Smallest bending radius, fixed installation	22 mm
Smallest bending radius, movable installation	44 mm
Number of bending cycles	4000000
Bending radius	44 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -25 °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	hydrolysis and microbe resistant Highly resistant to acids, alkaline solutions and solvents Resistant to salt water partly UV-resistant in accordance with DIN EN ISO 4892-2-A

Certificates / Approvals

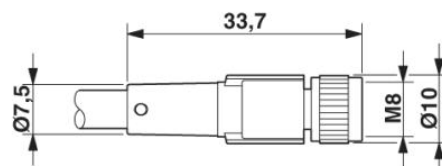
Certification CUL Listed, UL Listed

Diagrams/Drawings

Dimensioned drawing

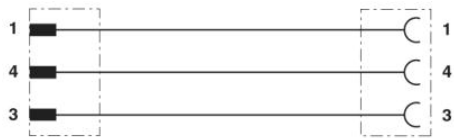


M8 x 1 male connector, straight version



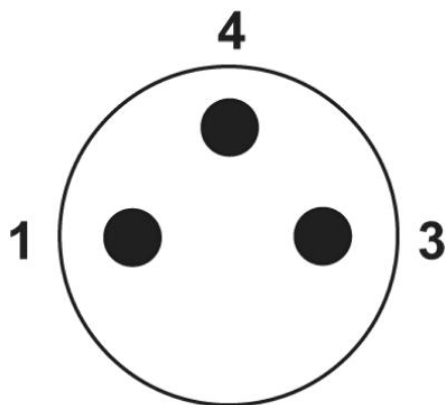
Socket M8 x 1, straight

Circuit diagram

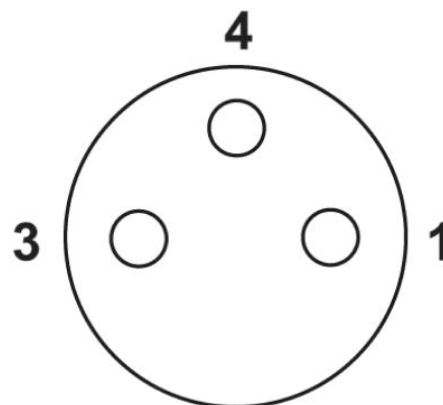


Contact assignment of M8 plugs/sockets

Schematic diagram

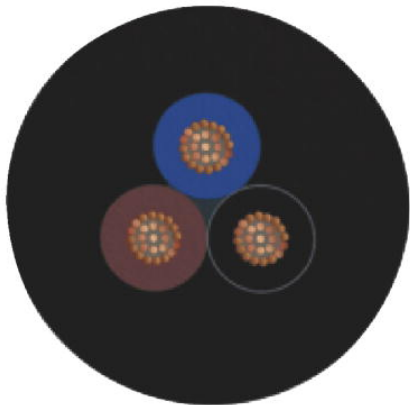


Pin assignment M8 plug, 3-pos., view male side

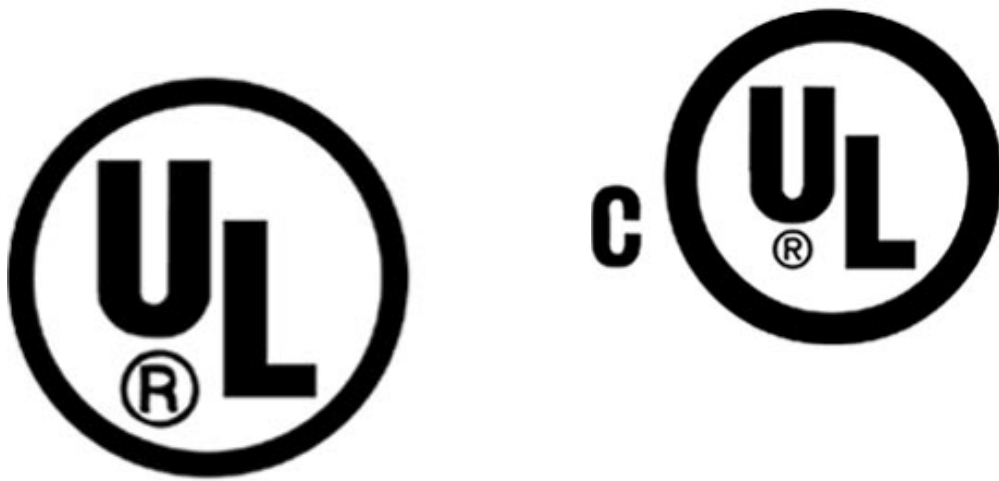


Pin assignment M8 socket, 3-pos., view female side

PUR halogen-free black [PUR]



Connection data incl. use groups



Address

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 00
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



© 2012 Phoenix Contact
Technical modifications reserved;