

SAC-4P-M12MR/ 1,5-PUR SH

Order No.: 1682870

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1682870>

Sensor/actuator cable, 4-pos., PUR halogen-free black, shielded,
angled M12 plug on free conductor end, cable length: 1.5 m

Commercial data

EAN	4017918169008
Pack	1 Pcs.
Customs tariff	85444290
Weight/Piece	0.0897 KG
Catalog page information	Page 73 (PC-2007)

Product notes

WEEE/RoHS-compliant since:
11/17/2006



[http://
www.download.phoenixcontact.com](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

Nominal current I_N	4 A
Nominal voltage U_N	250 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

Length of cable	1.5 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	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)
Status display	No

Conductor data

Cable type	PUR halogen-free black shielded
Cable abbreviation	Li9Y-V1-C-V1-11Y
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure, signal line	42x 0.10 mm
Thickness, insulation	≥ 0.21 mm (Core insulation)
	Approx. 1 mm (Outer cable sheath)
External cable diameter	5.90 mm
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 100 GΩ*km
Overall twist	4 wires, twisted
Shielding	Braided shielding made of tin-plated copper wires
Optical shield covering	85 %
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Cable weight	47 kg/km
Smallest bending radius, fixed installation	59 mm

Smallest bending radius, movable installation	59 mm
Max. bending cycles	4000000
Bending radius	50 mm
Traversing path	10 m
Traversing rate	3 m/s

Certificates / Approvals

Approval logo

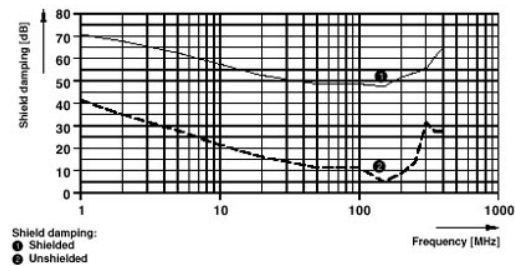


requested approbations

Certification	CUL Listed, GOST, UL Listed
---------------	-----------------------------

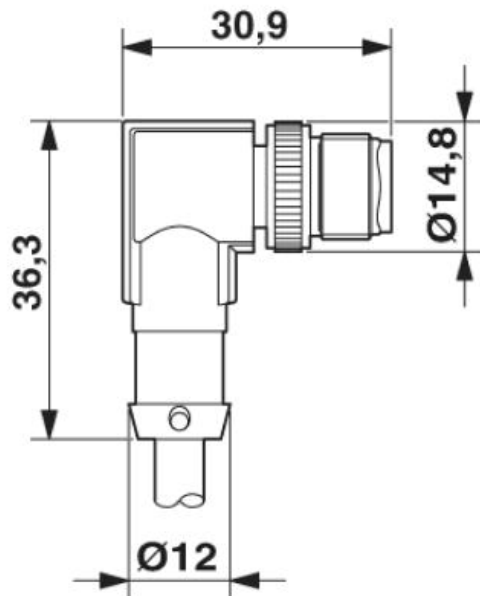
Drawings

Diagram



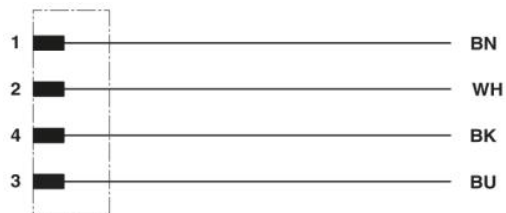
Dimensioned drawing

M12 x 1 male connector, angled, shielded



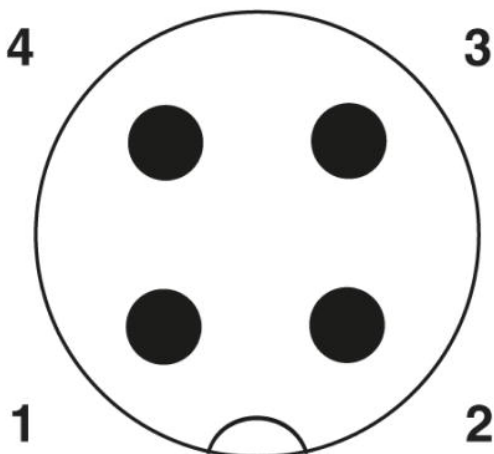
Circuit diagram

Contact assignment of the M12 plug



Schematic diagram

Pin assignment M12 plug, 4-pos., A-coded, view plug side



Address

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



© 2008 Phoenix Contact
Technical modifications reserved;