


SAC-4P-M12MS/ 3,0-511/M12FS FB

Order No.: 1552654

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1552654>

Sensor/Actuator cable, 4-position, Special mixture on PVC base, Black RAL 9005, Plug, straightLink:M12, A-coded, on Socket, straight M12, A-coded, Cable length: 3 m

Commercial data	
GTIN (EAN)	 4 046356 155991
Note	Made-to-order
sales group	D111
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 212 (PC-2011)

Product notes

WEEE/RoHS-compliant since:
09/04/2006

<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	250 V
Number of positions	4
Volume resistance	≤ 5 mΩ

Insulation resistance	≥ 100 MΩ
Length of cable	3 m
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

General characteristics

Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 connector)
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	High-grade steel
Sealing material	NBR
Status display	No

Conductor data

Cable type	PVC black FDA
Cable type (abbreviation)	511
Cable abbreviation	LiYY-HF
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.52 mm ±0.05 mm
External cable diameter	5.2 mm ± 0.2 mm
Wire colors	Black, brown, blue, white
External sheath, color	Black RAL 9005
Nominal voltage, conductor	300 V
Test voltage, conductor	1500 V
Overall twist	4 wires, twisted
Outer sheath, material	Special mixture on PVC base
Material conductor insulation	PVC

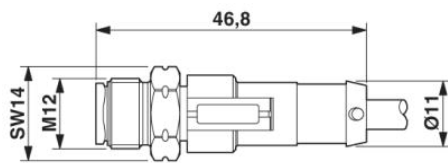
Conductor material	Bare Cu litz wires
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -5 °C ... 90 °C (cable, flexible installation)
Special properties	FDA compliant
Resistance to oil	good oil-resistance
Other resistance	UV resistant
	Silicone-free

Accessories

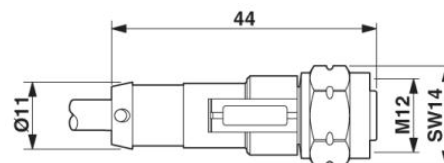
Item	Designation	Description
Tools		
1212513	SAC BIT M12-W14	SAC nut, for assembling M12 connectors with hexagonal high-grade steel knurl, with 4 mm hexagonal drive
1208429	TSD 04 SAC	Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Diagrams/Drawings

Dimensioned drawing

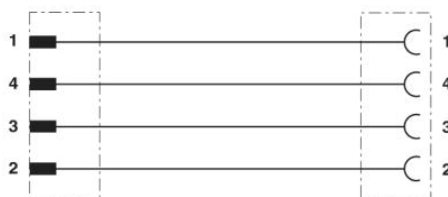


M12 x 1 male connector, straight



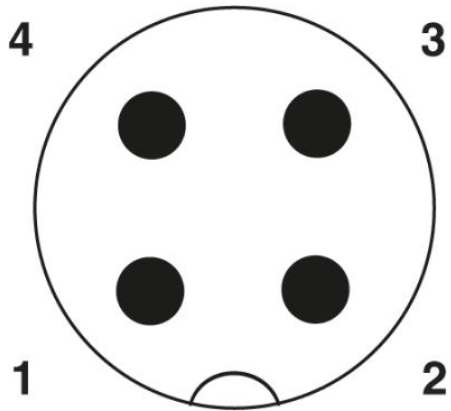
M12 x 1 female connector, straight

Circuit diagram

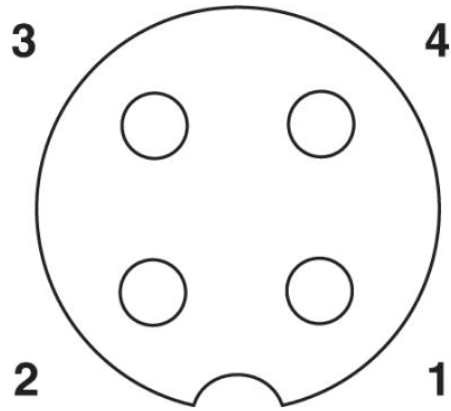


Contact assignment of the M12 plug and the M12 socket

Schematic diagram



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



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

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>



© 2011 Phoenix Contact
Technical modifications reserved;