


SAC-4P-M8MS/ 0,5-542/M8 FS BK

Order No.: 1406194

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1406194>Sensor/Actuator cable, 4-position, PVC, Yellow RAL 1021, Plug
straight M8, on Socket straight M8, Cable length: 0.5 m

Commercial data	
EAN	 4 046356 798563
Note	Made-to-order
sales group	D111
Pack	1 Pcs.
Customs tariff	85444290
Gross weight in pieces	0.0254 KG
Net weight per piece	0.0244 KG

Product notes

WEEE/RoHS-compliant since:
04/02/2012

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Technical data

Dimensions

Length of cable 0.5 m

Ambient conditions

Ambient temperature (operation) -25 °C ... 90 °C (Plug / socket)

Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	4 A
Rated voltage	30 V
Number of positions	4
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Status display	No
Protective circuit/component	Unwired
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100
Torque	0.2 Nm (M8 connectors)

Material

Inflammability class according to UL 94	HB
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

Cable

Cable type	PVC yellow 105 °C
Cable type (abbreviation)	542
UL AWM style	2517 (105°C/300 V)
AWG signal line	24
Core diameter including insulation	1.12 mm ±0.03 mm
Wire colors	brown, blue, black, white
Overall twist	4 wires, twisted
External sheath, color	yellow

External cable diameter D	4.4 mm ±0.2 mm
Minimum bending radius, flexible installation	8 x D
Cable weight	25 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Tin-plated Cu litz wires
Nominal voltage, cable	300 V
Other resistance	UV resistant
Ambient temperature (operation)	-30 °C ... 105 °C (cable, fixed installation)

Certificates / Approvals



Certification cULus Listed

Certifications applied for:

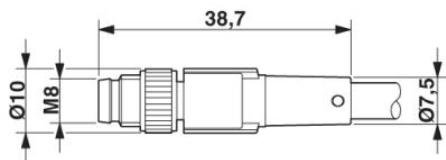
Certification Ex:

Accessories

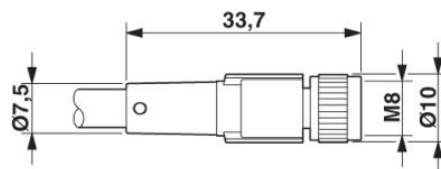
Item	Designation	Description
Protection and sealing elements		
1430857	PROT-M 8 FS-PA-CHAIN	M8 sealing cap made of plastic with fixing band for sensor cables, for M8 plugs
1430860	PROT-M 8 MS-PA-CHAIN	M8 sealing cap made of plastic with fixing band for sensor cables, for M8 sockets
Tools		
1208461	SAC BIT M8-D10	Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1208487	TSD 02 SAC	Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

Drawings

Dimensioned drawing

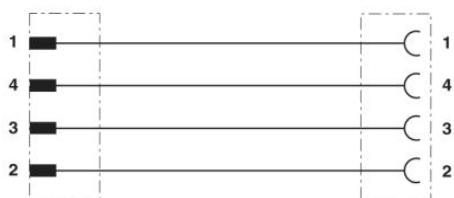


M8 x 1 male plug, straight version



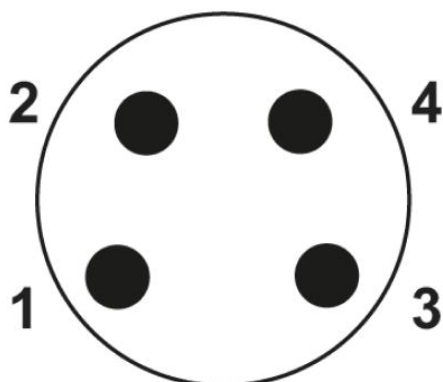
Socket M8 x 1, straight

Circuit diagram

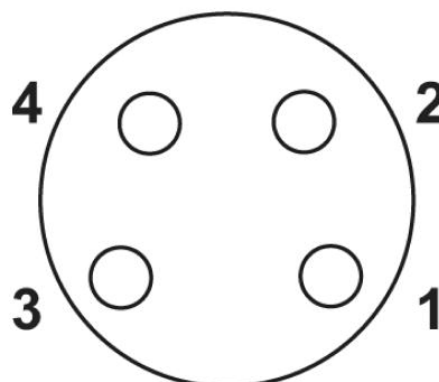


Contact assignment of M8 plugs/sockets

Schematic diagram



Pin assignment M8 plug, 4-pos., view male side



Pin assignment M8 socket, 4-pos., view female side

Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



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