


**SAC-3P-M8MS/ 1,5-542/M8 FS BK**

Order No.: 1406271

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1406271>Sensor/Actuator cable, PVC, Yellow RAL 1021, Plug straight M8, on  
Socket straight M8, Cable length: 1.5 m**Commercial data**

EAN	 4 046356 797818
Note	Made-to-order
sales group	D110
Pack	1 Pcs.
Customs tariff	85444290
Gross weight in pieces	0.04602 KG
Net weight per piece	0.0439 KG

**Product notes**WEEE/RoHS-compliant since:  
04/02/2012

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**Technical data****Dimensions**

Length of cable	1.5 m
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**Ambient conditions**

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
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Degree of protection	IP65
	IP67
	IP68

#### General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 plug-in connector IEC 61076-2-104
Status display	No
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100
Torque	0.2 Nm (M8 plug-in connectors)

#### Material

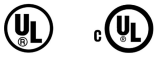
Inflammability class according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

#### Line characteristics

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
Overall twist	3 wires, twisted
External sheath, color	yellow
External cable diameter D	4.1 mm ± 0.2 mm

Minimum bending radius, flexible installation	8 x D
Cable weight	21 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:

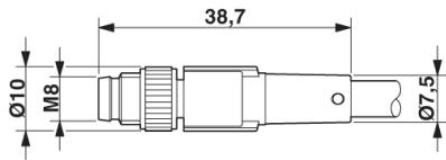
Certification Ex:

### Accessories

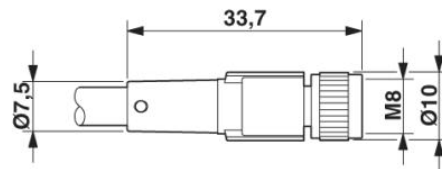
Item	Designation	Description
<b>Protection and sealing elements</b>		
1430857	PROT-M 8 FS-PA-CHAIN	M8 sealing cap made of plastic with fixing band for sensor cables, for M8 plugs
1430860	PROT-M 8 MS-PA-CHAIN	M8 sealing cap made of plastic with fixing band for sensor cables, for M8 sockets
<b>Tools</b>		
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

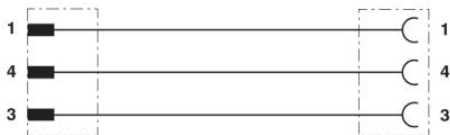


M8 x 1 male plug, straight version



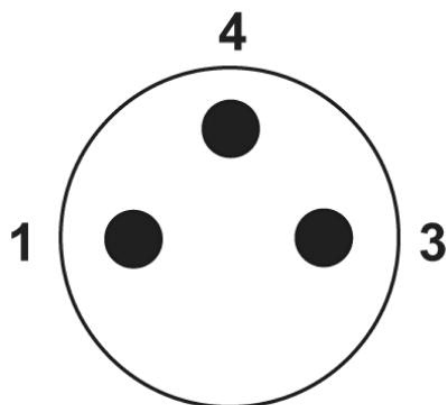
Socket M8 x 1, straight

### Circuit diagram

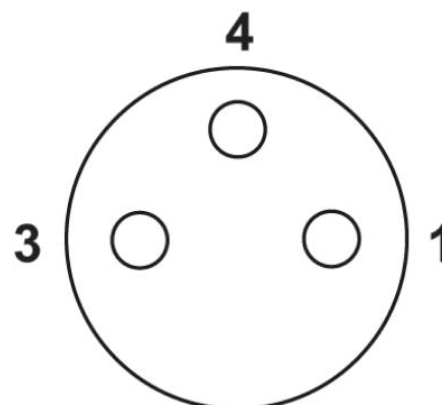


Contact assignment of M8 plugs/sockets

### Schematic diagram



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



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

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