

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

Order No.: 1406017

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Sensor/Actuator cable, 4-position, PVC, yellow, shielded, free cable end, on Socket straight M8, Cable length: 5 m

**Commercial data**

EAN	 4 046356 800136
Note	Made-to-order
sales group	D117
Pack	1 Pcs.
Customs tariff	85444290
Gross weight in pieces	0.1169 KG
Net weight per piece	0.1111 KG

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

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**Technical data****Dimensions**

Length of cable	5 m
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**Ambient conditions**

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

### 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
Shielding	Tinned copper braided shield
Optical shield covering	85 %
External sheath, color	yellow
External cable diameter D	4.9 mm ±0.2 mm

Minimum bending radius, flexible installation	12 x D
Cable weight	37 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>Marking</b>		
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
1013944	PABA RD/15	Insert label, Strip, red, unlabeled, can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm
1013151	PABA WH/15	Insert label, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm
1013698	PABA YE/15	Insert label, Strip, yellow, unlabeled, can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm
1013038	PATG 2/15	Conductor marker carrier, transparent, unlabeled, Mounting type: Slide on, Cable diameter: 2-4 mm, Lettering field: 4 x 15 mm
1013041	PATG 3/15	Conductor marker carrier, transparent, unlabeled, Mounting type: Slide on, Cable diameter: 4-7 mm, Lettering field: 4 x 15 mm
1013054	PATG 4/15	Conductor marker carrier, transparent, unlabeled, Mounting type: Slide on, Cable diameter: 6-10 mm, Lettering field: 4 x 15 mm

**Protection and sealing elements**

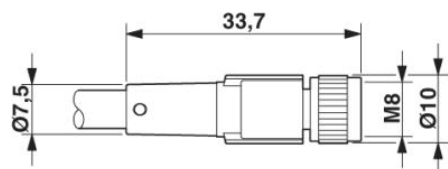
1430860	PROT-M 8 MS-PA-CHAIN	M8 sealing cap made of plastic with fixing band for sensor cables, for M8 sockets
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**Tools**

1212207	CUTFOX-S VDE	Diagonal cutter for copper and aluminum conductors, VDE-tested
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
1212150	WIREFOX 10	Stripping tool, for cables and conductors from 0.02 - 10 mm <sup>2</sup> , self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm <sup>2</sup> stranded/1.5 mm <sup>2</sup> solid, replaceable stripping blade
1212623	WIREFOX SAC	Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length
1212757	WIREFOX SAC-1	Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 3.2 to 4.4 mm, any stripping length

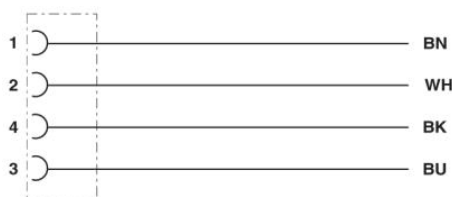
**Drawings**

Dimensioned drawing



Socket M8 x 1, straight

Circuit diagram

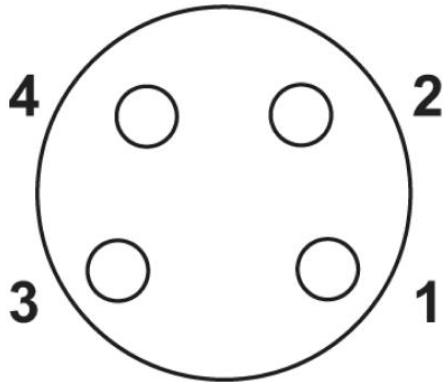


Contact assignment of M8 socket

Schematic diagram

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Pin assignment M8 socket, 4-pos.



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