

Sensor/actuator cable - SAC-8P- 5,0-100/M12FS SH TP - 1534067

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Sensor/actuator cable, 8-position, PUR, gray RAL 7001, free cable end, on Socket straight M12, A-coded, cable length: 5 m

RoHS

Key Commercial Data

Packing unit	5 pc
Minimum order quantity	50 pc
GTIN	 4 017918 993566
GTIN	4017918993566

Technical data

Dimensions

Length of cable	5 m
Stripping length of the free conductor end	50 mm

Ambient conditions

Degree of protection	IP65
	IP67

General

Rated current at 40°C	2 A
Rated voltage	30 V AC
	30 V DC
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Overvoltage category	II
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	Ni/Au

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Technical data

Material

Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Standards and Regulations

Flammability rating according to UL 94	HB
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Cable

Cable type	PUR/PVC shielded, gray
Cable type (abbreviation)	100 TP
Conductor cross section	4x 2x 0.25 mm ² (twisted pair)
	1x 0.25 mm ² (Drain wire)
AWG signal line	24
Conductor structure signal line	32x 0.10 mm (Signal line)
Conductor structure, voltage supply	32x 0.10 mm (Drain wire)
Core diameter including insulation	1.3 mm ±0.05 mm
Thickness, insulation	0.33 mm (Core insulation)
	0.8 mm (Outer cable sheath)
Wire colors	white-brown, green-yellow, gray-pink, blue-red
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Wires twisted in pair
Shielding	Tinned copper braided shield
Optical shield covering	82 %
External sheath, color	gray RAL 7001
External cable diameter	7.60 mm
Smallest bending radius, fixed installation	76 mm
Smallest bending radius, movable installation	76 mm
Number of bending cycles	2000000
Bending radius	76 mm
Traversing path	5 m
Traversing rate	3 m/s
Cable weight	72 kg/km
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 MΩ*km
Working capacitance	100 pF (core-core)
	145 pF (core-shield)
Nominal voltage, cable	250 V
Test voltage Core/Core	1500 V

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Technical data

Cable

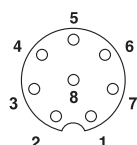
Test voltage Core/Shield	1500 V
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

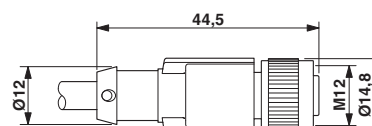
Drawings

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

Dimensional drawing



M12 x 1 socket, straight, shielded

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN	30 V		
Nominal current IN	2 A		

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cULus Listed	
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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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