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Sensor/Actuator cable - SAC-6P-MSC/1,0-188/FSC SH SCO - 1550119

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Sensor/Actuator cable, 6-position, PUR halogen-free, Black-gray RAL 7021, shielded, Plug straight M12 SPEEDCON, C-coded, on Socket straight M12 SPEEDCON, C-coded, Cable length: 1 m

Key commercial data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	65.0 GRM
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable	1 m

Ambient conditions

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

General

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	6
Coding	C - dual keyway
Status display	No

Material

Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Nickel-plated brass
Sealing material	NBR

Cable

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Technical data

Cable

Cable type	PUR halogen-free black shielded
Cable type (abbreviation)	PUR
Conductor cross section	6x 0.14 mm² (signal line)
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1.05 mm ±0.02 mm
Wire colors	Brown, white, black, blue, gray, pink
External sheath, color	Black-gray RAL 7021
External cable diameter	5.20 mm
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Number of bending cycles	4000000
Bending radius	52 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s²
Cable weight	34 kg/km
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801

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Classifications

eCl@ss

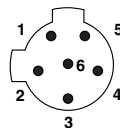| eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

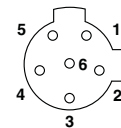| UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Drawings

Schematic diagram

M12 plug pin assignment, 6-pos., pin side view
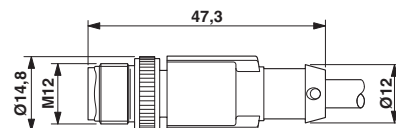
Schematic diagram

M12 socket pin assignment, 6-pos., socket side view

Cable cross section

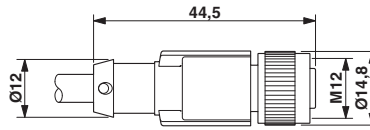PUR halogen-free black shielded [PUR]

Dimensioned drawing

Plug, M12 x 1, straight, shielded

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Dimensioned drawing

M12 x 1 socket, straight, shielded