

## Sensor/Actuator cable - SAC-4P-M12MS/ 3,0-PUR/MS BK SH - 1570526

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Sensor/Actuator cable, 4-position, PUR/PVC, Black-gray RAL 7021, shielded, Plug straight M12, A-coded, on Plug straight M12, A-coded, Cable length: 3 m

As in the figure, but with a black handle



### Key commercial data

Packing unit	1 1
Minimum order quantity	50 1
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### Dimensions

Length of cable	3 m
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#### Ambient conditions

Degree of protection	IP65
	IP67

#### General

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Surge voltage category	II
Pollution degree	3

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### Technical data

#### General

Insertion/withdrawal cycles	≥ 100
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#### 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	PUR/PVC shielded, black
Cable type (abbreviation)	350
Cable abbreviation	LiYYV1CY11Y
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.52 mm ±0.02 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
Wire colors	brown, white, blue, black
Overall twist	4 wires, twisted
Shielding	Tinned copper braided shield
Optical shield covering	85 %
External sheath, color	Black-gray RAL 7021
External cable diameter	5.90 mm
Smallest bending radius, fixed installation	59 mm
Smallest bending radius, movable installation	59 mm
Number of bending cycles	2000000
Bending radius	59 mm
Traversing path	5 m
Traversing rate	3 m/s
Cable weight	50 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires

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### Technical data

#### Cable

Insulation resistance	$\geq 100 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$\leq 57.3 \text{ }\Omega/\text{km}$
Nominal voltage, cable	300 V
Test voltage, cable	3000 V
Ambient temperature (operation)	-25 °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
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

### Approvals

#### Approvals

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Approvals

UL Listed

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## Approvals

Ex Approvals

Approvals submitted

## Approval details

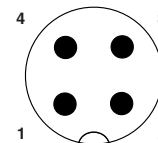
UL Listed	
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	300 V

## Drawings

Circuit diagram

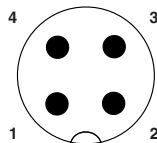
Contact assignment of M12 connector/socket

Schematic diagram



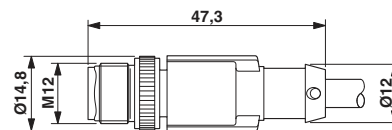
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

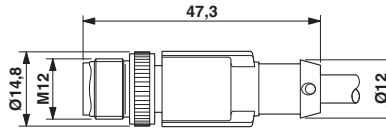
Dimensioned drawing



Plug, M12 x 1, straight, shielded

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Dimensioned drawing



Plug, M12 x 1, straight, shielded