

## Sensor/Actuator cable - SAC-5P-M12MS/3,0-150/M12FR-3L - 1563478

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Sensor/Actuator cable, 5-position, PUR halogen-free, Irradiated, orange RAL 2003, Plug straight M12, A-coded, on Socket angled M12, A-coded, with 3 LEDs, Cable length: 3 m

### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	5 STK
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
	IP68

#### General

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	3 LEDs
Overvoltage category	II
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

#### Material

Flammability rating according to UL 94	HB
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### Technical data

#### Material

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

#### Standards and Regulations

Flammability rating according to UL 94	HB
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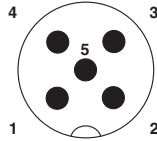
#### Cable

Cable type	PUR irradiated halogen-free orange
Cable type (abbreviation)	151
Cable abbreviation	D12YSL11X-JB
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	1.05 mm ±0.05 mm
Wire colors	brown, white, blue, black, green-yellow
Overall twist	5 cores, twisted
External sheath, color	orange RAL 2003
External cable diameter D	5.9 mm ±0.2 mm
Smallest bending radius, fixed installation	min. 25 mm
Smallest bending radius, movable installation	min. 40 mm
Number of bending cycles	5000000
Bending radius	59 mm
Traversing path	10 m
Traversing rate	3 m/s
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Conductor resistance	≤ 57 Ω/km
Nominal voltage, cable	250 V (AC)
Test voltage, cable	2000 V (50 Hz, 5 minutes)
Ambient temperature (operation)	-50 °C ... 105 °C (cable, fixed installation)
	-40 °C ... 105 °C (cable, flexible installation)

### Drawings

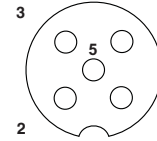
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Schematic diagram



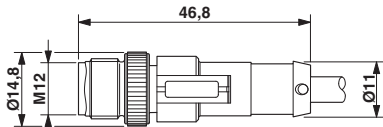
Pin assignment M12 male connector, 5-pos., A-coded, male side

Schematic diagram



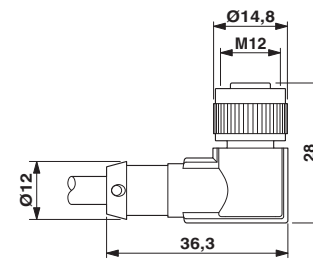
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensional drawing



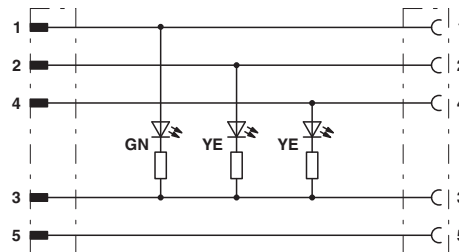
M12 x 1 plug, straight

Dimensional drawing



Socket M12 x 1, angled, with LED

Circuit diagram



Contact assignment of M12 plugs / sockets with 3 LEDs

## 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	27279218

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### Classifications

eCl@ss

eCl@ss 9.0	27060311
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### 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