


# Sensor/actuator cable - SAC-4P-M12MR/ 3,0-PUR/M12FR TP - 1505203

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Sensor/actuator cable, 4-position, PUR/PVC, green RAL 6017, Plug angled M12, A-coded, on Socket angled M12, A-coded, cable length: 3 m

## Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 902384
GTIN	4017918902384

## 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	250 V AC
	250 V DC
Number of positions	4
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	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF

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## Technical data

### Material

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

### Standards and Regulations

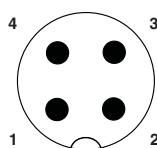
Flammability rating according to UL 94	HB
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### Cable

Cable type	PUR/PVC green
Cable type (abbreviation)	350
Conductor cross section	0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
Thickness, insulation	Core insulation
	approx. 1 mm (Inner sheath)
	approx. 0.7 mm (Outer cable sheath)
Wire colors	Brown-white, green-yellow
External sheath, color	green RAL 6017
External cable diameter	7.80 mm
Smallest bending radius, movable installation	78 mm
Number of bending cycles	2000000
Bending radius	78 mm
Traversing path	5 m
Traversing rate	3 m/s
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	300 V
Test voltage, cable	1500 V
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

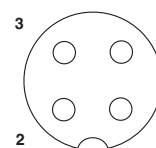
## Drawings

Schematic diagram



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

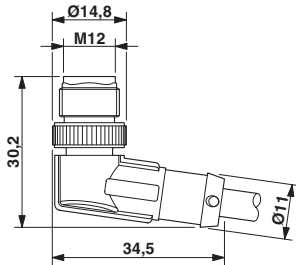
Schematic diagram



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

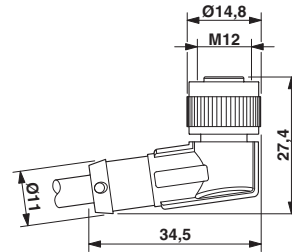
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Dimensional drawing



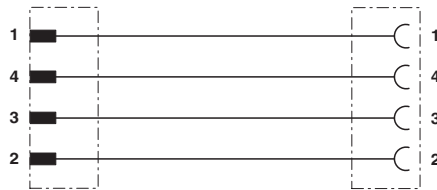
M12 x 1 male plug, angled

Dimensional drawing



M12 x 1 socket, angled

Circuit diagram



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