

## Sensor/Actuator cable - SAC-4P-M12MR/ 0,6-PUR/M12FR TP - 1505180

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)

Sensor/Actuator cable, 4-position, PUR/PVC, Green RAL 6017, Plug angled M12, A-coded, on Socket angled M12, A-coded, Cable length: 0.6 m



### Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	68.0 GRM
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### Dimensions

Length of cable	0.6 m
-----------------	-------

#### Ambient conditions

Degree of protection	IP65
	IP67
	IP68

#### 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
Insertion/withdrawal cycles	≥ 100

#### Material

Inflammability class according to UL 94	HB
Contact material	CuSn

## Sensor/Actuator cable - SAC-4P-M12MR/ 0,6-PUR/M12FR TP - 1505180

### Technical data

#### Material

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 green
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

### 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

# Sensor/Actuator cable - SAC-4P-M12MR/ 0,6-PUR/M12FR TP - 1505180

## Classifications

eCl@ss

eCl@ss 8.0	27061801
------------	----------

## ETIM

ETIM 2.0	EC000830
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

---

Approvals

UL Listed / GOST / cUL Listed / cULus Listed

---

Ex Approvals

---

Approvals submitted

---

### Approval details

UL Listed
-----------

GOST
------

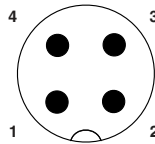
# Sensor/Actuator cable - SAC-4P-M12MR/ 0,6-PUR/M12FR TP - 1505180

## Approvals



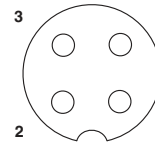
## Drawings

Schematic diagram



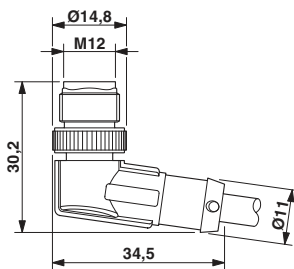
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Schematic diagram



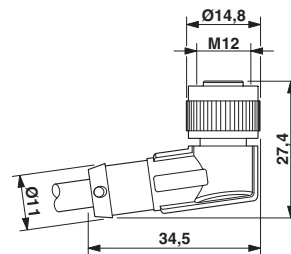
Pin assignment M12 socket, 4-pos., A-coded, view female side

Dimensioned drawing



M12 x 1 male plug, angled

Dimensioned drawing



M12 x 1 socket, angled

Circuit diagram

