

## Sensor/Actuator cable - SAC-4P- 2,0-PUR/M12FS P - 1529645

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, Black RAL 9005, Free cable end, on Socket straight M12, A-coded, Cable length: 2 m

The illustration shows the standard type



### Key commercial data

Packing unit	1 1
Minimum order quantity	50 1
Weight per Piece (excluding packing)	94.47 GRM
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Dimensions

Length of cable	2 m
Stripping length of the free conductor end	50 mm

#### 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
Coding	A - standard
Status display	No

## Sensor/Actuator cable - SAC-4P- 2,0-PUR/M12FS P - 1529645

### Technical data

#### General

Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100

#### 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	Plastic
Sealing material	NBR

#### Cable

Cable type	PUR/PVC black
Cable abbreviation	LiYY-11Y
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	1.5 mm ±0.05 mm
Thickness, insulation	≥ 0.3 mm (Core insulation)
	≥ 0.35 mm (Inner sheath)
	≥ 0.38 mm (Outer cable sheath)
Wire colors	brown, white, blue, black
Overall twist	4 wires, twisted
External sheath, color	Black RAL 9005
External cable diameter	5.20 mm
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Number of bending cycles	2000000
Bending radius	52 mm
Traversing path	5 m
Traversing rate	3 m/s
Cable weight	39 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires

## Sensor/Actuator cable - SAC-4P- 2,0-PUR/M12FS P - 1529645

### Technical data

#### Cable

Insulation resistance	$\geq 1 \text{ G}\Omega\cdot\text{km}$
Conductor resistance	$\leq 58 \text{ }\Omega/\text{km}$
Nominal voltage, cable	300 V
Test voltage, cable	3000 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
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 / cUL Listed / cULus Listed

---

#### Ex Approvals

# Sensor/Actuator cable - SAC-4P- 2,0-PUR/M12FS P - 1529645

## Approvals

Approvals submitted

## Approval details

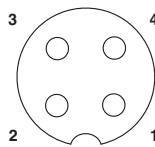
UL Listed	
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	300 V

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

cULus Listed	
--------------	--

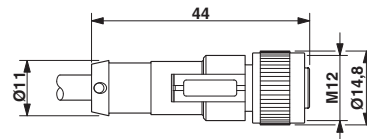
## Drawings

Schematic diagram



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

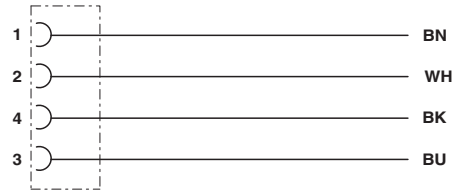
Dimensioned drawing



M12 x 1 socket, straight

## Sensor/Actuator cable - SAC-4P- 2,0-PUR/M12FS P - 1529645

Circuit diagram



Contact assignment of the M12 socket