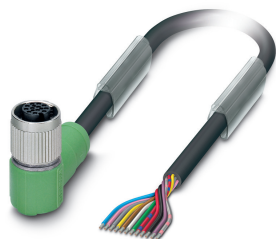


## Sensor/actuator cable - SAC-12P-10,0-PVC/FR SCO - 1554937

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Sensor/actuator cable, 12-position, PVC, black RAL 9005, free cable end, on Socket angled M12 SPEEDCON, coding: A, cable length: 10 m

### Your advantages

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Save time, thanks to installation with SPEEDCON fast locking system
- ✓ Save space – with high-pos. connectors



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 176538
GTIN	4046356176538
Weight per Piece (excluding packing)	488.800 g
Custom tariff number	85444290
Country of origin	Germany
Sales Key	BF1CGA

### Technical data

#### Dimensions

Length of cable	10 m
Cable diameter	5.9 mm
Stripping length of the free conductor end	50 mm (Partial stripping)

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67

# Sensor/actuator cable - SAC-12P-10,0-PVC/FR SCO - 1554937

## Technical data

### Ambient conditions

	IP68
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### General

Rated current at 40°C	1.5 A
Rated voltage	30 V AC
	30 V DC
Number of positions	12
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Protective circuit/component	unwired
Overvoltage category	II
Degree of pollution	3
Torque	0.4 Nm (M12 connector)

### Material

Flammability rating according to UL 94	HB
Contact material	CuZn
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

Conductor cross section	0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Wire colors	Color-coded DIN 47100
Overall twist	Wires twisted in layers
External cable diameter	5.90 mm
Smallest bending radius, movable installation	88.5 mm
External sheath, color	black RAL 9005
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-101
Conductor resistance	142 Ω/m
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

### Standards and Regulations

# Sensor/actuator cable - SAC-12P-10,0-PVC/FR SCO - 1554937

## Technical data

### Standards and Regulations

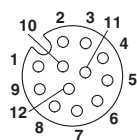
Standards/specifications	M12 connector IEC 61076-2-101
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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

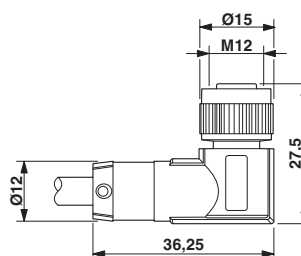
## Drawings

Schematic diagram



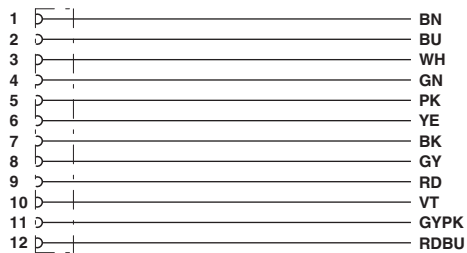
Pin assignment M12, 12-pos., female side view

Dimensional drawing



M12-SPEEDCON socket, angled

Circuit diagram



Contact assignment of the M12 socket

# Sensor/actuator cable - SAC-12P-10,0-PVC/FR SCO - 1554937

Cable cross section



PVC black [PVC]

## Approvals

Approvals

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Approvals

UL Listed / EAC-RoHS / EAC

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Ex Approvals

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Approval details


<https://www.phoenixcontact.com/gb/products/1554937>




## Sensor/actuator cable - SAC-12P-10,0-PVC/FR SCO - 1554937

### Approvals

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal voltage UN		30 V	
Nominal current IN		1 A	

EAC-RoHS		RU D- DE.HB35.B.00387
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EAC		EAC-Zulassung
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