

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

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://phoenixcontact.com/download>)



Sensor/actuator cable, 12-position, PVC, black RAL 9005, free cable end, on Socket angled M12 SPEEDCON, A-coded, 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	
GTIN	4046356176538

Technical data

Dimensions

Length of cable	10 m
Cable diameter	5.9 mm
Stripping length of the free conductor end	35 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	1.5 A
Rated voltage	30 V AC
	30 V DC

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

Technical data

General

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

Cable type	PVC black
Conductor cross section	0.14 mm²
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 sheath, color	black RAL 9005
External cable diameter	5.90 mm
Smallest bending radius, movable installation	88.5 mm
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

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	HB

Environmental Product Compliance

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

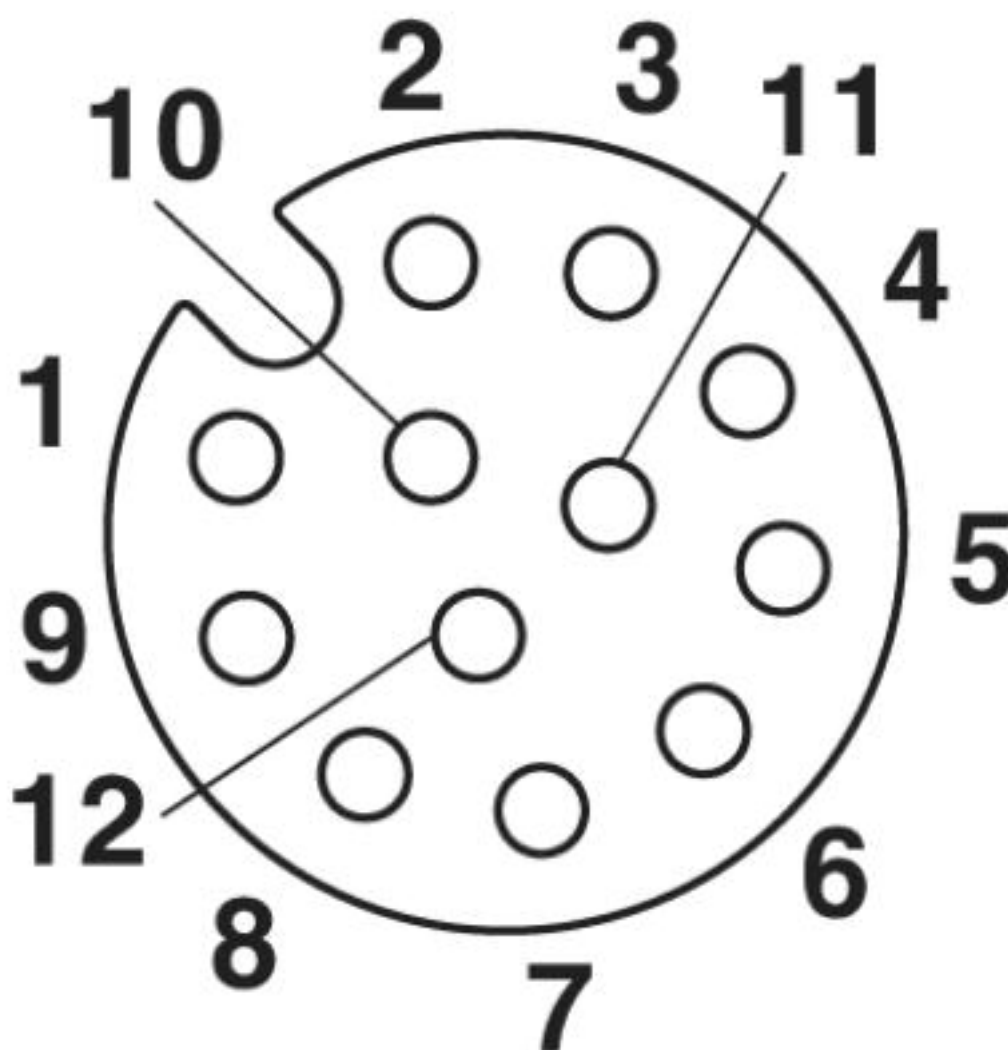
Technical data

Environmental Product Compliance

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

Drawings

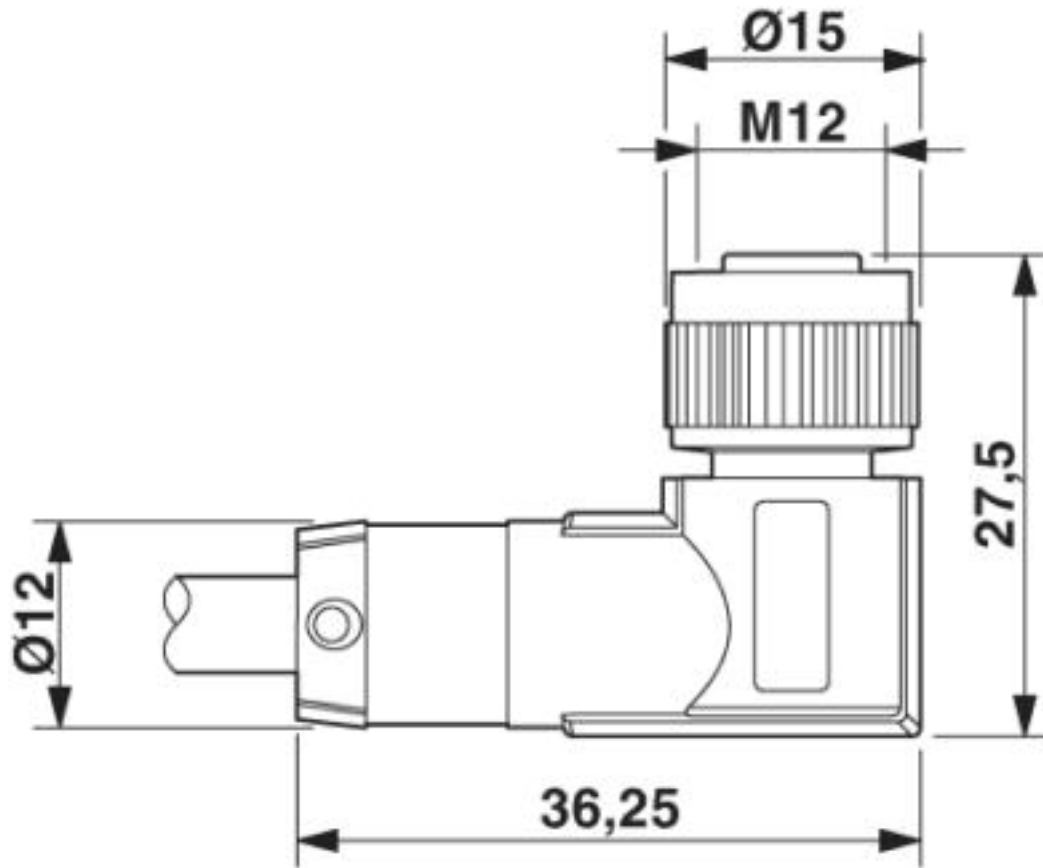
Schematic diagram



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

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

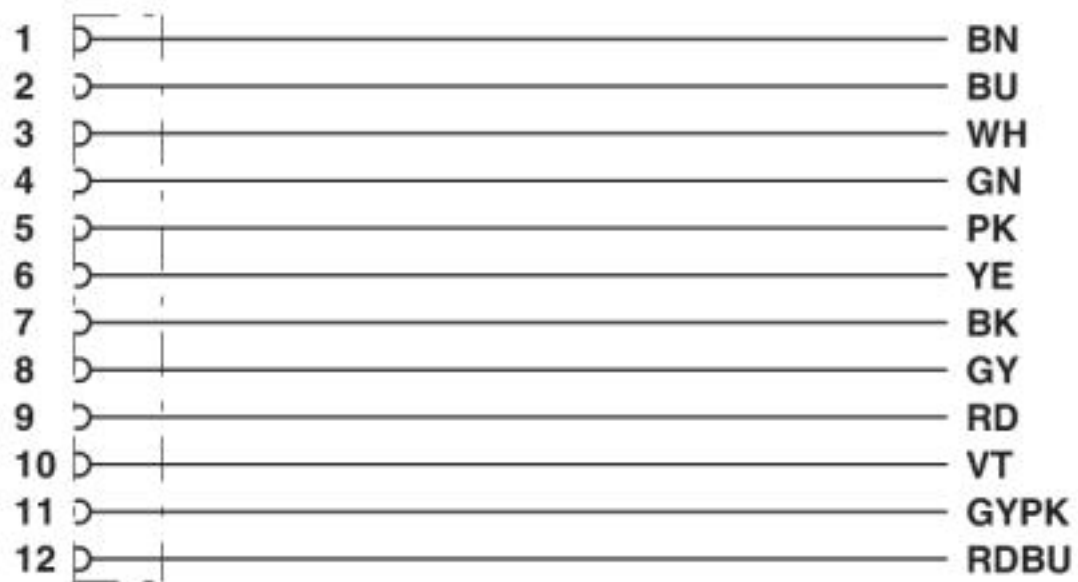
Dimensional drawing



M12-SPEEDCON socket, angled

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

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

Approvals

EAC / UL Listed

Ex Approvals

Approval details

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

Approvals

EAC		EAC-Zulassung
-----	---	---------------

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

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>