



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

Sensor/Actuator cable - SAC-17P- 3,0-PVC/FS SCO - 1555350

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, 17-position, PVC, black RAL 9005, free cable end, on Socket straight M12 SPEEDCON, A-coded, Cable length: 3 m

Why buy this product

- 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 STK
GTIN	 4 046356 176637

Technical data

Dimensions

Length of cable	3 m
Cable diameter	6.4 mm
Stripping length of the free conductor end	35 mm

Ambient conditions

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

General

Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	17
Insulation resistance	≥ 10 MΩ
Coding	A - standard

Sensor/Actuator cable - SAC-17P- 3,0-PVC/FS SCO - 1555350

Technical data

General

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 mm ²
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1 mm ±0.05 mm
Wire colors	Color-coded DIN 47100
Overall twist	Wires twisted in layers
External sheath, color	black RAL 9005
External cable diameter	6.40 mm
Smallest bending radius, movable installation	96 mm
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Ambient temperature (operation)	-5 °C ... 80 °C (cable, flexible installation)
	-25 °C ... 80 °C (cable, fixed installation)

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27060306
------------	----------

Sensor/Actuator cable - SAC-17P- 3,0-PVC/FS SCO - 1555350

Classifications

eCl@ss

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	27279218

ETIM

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

EAC

Ex Approvals

Approvals submitted

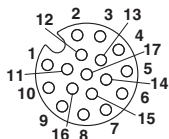
Approval details

EAC

Drawings

Sensor/Actuator cable - SAC-17P- 3,0-PVC/FS SCO - 1555350

Schematic diagram



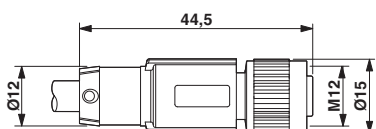
Pin assignment M12, 17-pos., socket side view

Cable cross section



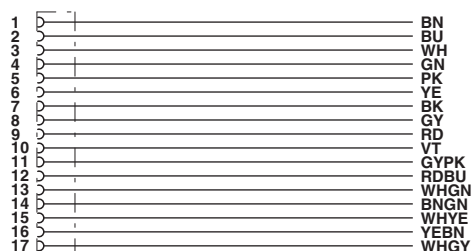
PVC black [PVC]

Dimensional drawing



M12-SPEEDCON socket, straight

Circuit diagram



Contact assignment of the M12 socket

Phoenix Contact 2016 © - 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>



Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Sensor/Actuator cable, 17-position, PVC, black RAL 9005, free cable end, on Socket straight M12 SPEEDCON, A-coded, Cable length: 3 m	1555350	SAC-17P- 3,0-PVC/FS SCO	Buy on EAN