

## **Excellent Integrated System Limited**

Stocking Distributor

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[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

<https://www.phoenixcontact.com/us/products/1555318>



## Sensor/Actuator cable - SAC-17P-MR/ 3,0-PVC SCO - 1555318

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Sensor/Actuator cable, 17-position, PVC, Black RAL 9005, Plug angled M12 SPEEDCON, A-coded, on free cable end, Cable length: 3 m

### Product Features

- ✓ 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
Weight per Piece (excluding packing)	209.5 GRM
Custom tariff number	85444290
Country of origin	Germany

### 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 (Plug)
Degree of protection	IP65
	IP67
	IP68

#### General

Rated current at 40°C	1.5 A
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### Technical data

#### General

Rated voltage	30 V
Number of positions	17
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Protective circuit/component	Unwired
Surge voltage category	II
Pollution degree	3
Torque	0.4 Nm (M12 connector)

#### Material

Inflammability class 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

#### Cable

Cable type	PVC black
Conductor cross section	0.14 mm <sup>2</sup>
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)

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## Sensor/Actuator cable - SAC-17P-MR/ 3,0-PVC SCO - 1555318

### 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 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

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Approvals

GOST

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Ex Approvals

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Approvals submitted

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Approval details

GOST 
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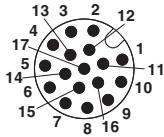
<https://www.phoenixcontact.com/us/products/1555318>



## Sensor/Actuator cable - SAC-17P-MR/ 3,0-PVC SCO - 1555318

### Drawings

Schematic diagram



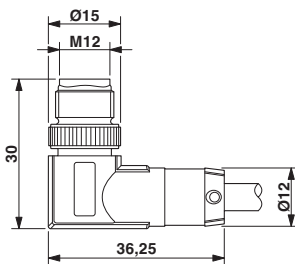
Pin assignment M12 male connector, 17-pos., male side view

Cable cross section



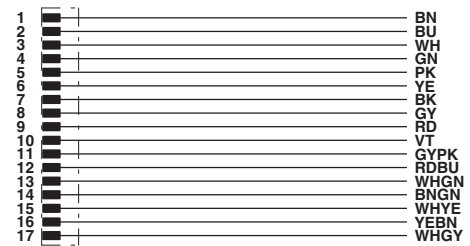
PVC black [PVC]

Dimensioned drawing



M12 SPEEDCON plug, angled

Circuit diagram



Contact assignment of the M12 plug