

# SAC-5P- 5,0-28X/M12FS OD - Sensor/actuator cable



1407259

<https://www.phoenixcontact.com/in/products/1407259>

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Sensor/actuator cable, 5-position halogen-free, free cable end, on Socket straight M12, coding: A, cable length: 5 m, for outdoor applications, with high-grade steel knurl

## Your advantages

- Easy and safe: 100% electrically tested plug-in components
- Robust throughout: resistant to oil, UV, and ozone, withstands temperatures from -40°C ... +105°C

## Commercial Data

Item number	1407259
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF1
Product Key	BF1CDA
Catalog Page	Page 155 (C-4-2013)
GTIN	4046356773768
Weight per Piece (including packing)	355.5 g
Weight per Piece (excluding packing)	353 g
Customs tariff number	85444290
Country of origin	PL

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## Technical Data

### Product properties

Product type	Sensor/actuator cable
Number of positions	5
Application	External areas
No. of cable outlets	1
Shielded	no
Coding	A

### Insulation characteristics

Degree of pollution	3
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### Material specifications

Flammability rating according to UL 94	V0
Seal material	FPM
Material of grip body	PP
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PP
Material for screw connection	Stainless steel

### Electrical properties

Contact resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	48 V AC
	60 V DC
Nominal current $I_N$	4 A
Protective circuit	unwired

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq 100$
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### Signaling

Status display	No
Status display present	No

### Connection data

#### Conductor connection

Tightening torque	0.4 Nm (M12 connector)
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### Connector

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## Connection 1

Type	free cable end
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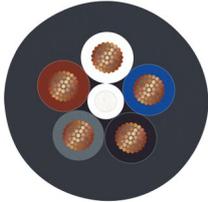
## Connection 2

Type	Socket straight M12
Number of positions	5
Coding type	A
Number of positions	5

## Cable/line

Cable length	5 m
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## PE-X black [28X]

Dimensional drawing	
Cable weight	70 kg/km
Number of positions	5
Shielded	no
Cable type	PE-X black [28X]
Conductor structure signal line	28x 0.15 mm
AWG signal line	20
Conductor cross section	5x 0.5 mm <sup>2</sup>
Wire diameter incl. insulation	1.6 mm ±0.5 mm
External cable diameter	6.8 mm ±0.2 mm
Outer sheath, material	PE-X
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material, filler	PP yarn
Material wire insulation	PE-X
Single wire, color	brown, white, blue, black, gray
Thickness, insulation	approx. 0.3 mm (Core insulation)
Thickness, outer sheath	approx. 1.25 mm
Overall twist	5 wires around filler to the core
Length of twist, overall twist	68 mm
Max. conductor resistance	≤ 39 Ω/m (at 20 °C)
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage	≥ 3000 V AC (Spark test)