

# SAC-6P-10,0-PUR/M 8FS SH - Sensor/actuator cable



1522422

<https://www.phoenixcontact.com/gb/products/1522422>

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 documentation. Our General Terms of Use for Downloads are valid.



Sensor/actuator cable, 6-position, PUR halogen-free, black-gray RAL 7021, shielded, free cable end, on Socket straight M8, cable length: 10 m

## Your advantages

- Easy and safe: 100% electrically tested plug-in components
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

## Commercial Data

Item number	1522422
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF1BNA
Product Key	BF1BNA
Catalog Page	Page 206 (C-2-2019)
GTIN	4046356021173
Weight per Piece (including packing)	371.5 g
Weight per Piece (excluding packing)	371.5 g
Customs tariff number	85444290
Country of origin	PL

## SAC-6P-10,0-PUR/M 8FS SH - Sensor/actuator cable



1522422

<https://www.phoenixcontact.com/gb/products/1522422>

## Technical Data

## Product properties

Product type	Sensor/actuator cable
Number of positions	6
Application	Standard
No. of cable outlets	1
Shielded	yes
Coding	A

## Insulation characteristics

Overvoltage category	II
Degree of pollution	3

## Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

## Electrical properties

Rated voltage in acc. with IEC 61076-2-101	30 V
Contact resistance	$\leq 0.005 \Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V AC
	30 V DC
Nominal current $I_N$	1.5 A
Protective circuit	unwired

## Mechanical properties

## Mechanical data

Insertion/withdrawal cycles	$\geq 100$
-----------------------------	------------

## LED signaling

Status display	No
Status display present	No

## Connection data

## Conductor connection

Tightening torque	0.2 Nm (M8 connectors)
-------------------	------------------------

## SAC-6P-10,0-PUR/M 8FS SH - Sensor/actuator cable



1522422

<https://www.phoenixcontact.com/gb/products/1522422>

## Connector


## Connection 2

Coding type	A
-------------	---

## Cable/line

Cable length	10 m
--------------	------

## PUR halogen-free black [PUR]

Dimensional drawing	
Cable weight	34 kg/km
Number of positions	6
Shielded	yes
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	18x 0.10 mm
AWG signal line	26
Conductor cross section	6x 0.14 mm <sup>2</sup> (Signal line)
Wire diameter incl. insulation	1.05 mm ±0.02 mm
External cable diameter	5.2 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Single wire, color	Brown, white, black, blue, gray, pink
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Max. bending cycles	4000000
Halogen-free	in accordance with DIN VDE 0472 part 815
Flame resistance	in accordance with DIN UL-Style 20549
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant partly UV-resistant in accordance with DIN EN ISO 4892-2-A
Special properties	Flexible cable conduit capable Silicone-free Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)

## SAC-6P-10,0-PUR/M 8FS SH - Sensor/actuator cable



1522422

<https://www.phoenixcontact.com/gb/products/1522422>

	-5 °C ... 80 °C (Cable, flexible installation)
--	--

## Environmental and real-life conditions

## Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

## Standards and regulations

Standards/specifications	IEC 61076-2-104
--------------------------	-----------------

## SAC-6P-10,0-PUR/M 8FS SH - Sensor/actuator cable

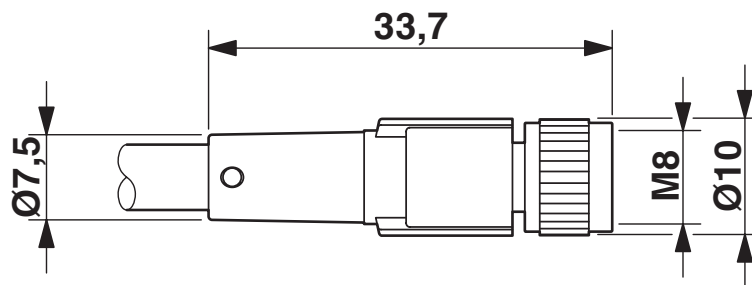


1522422

<https://www.phoenixcontact.com/gb/products/1522422>

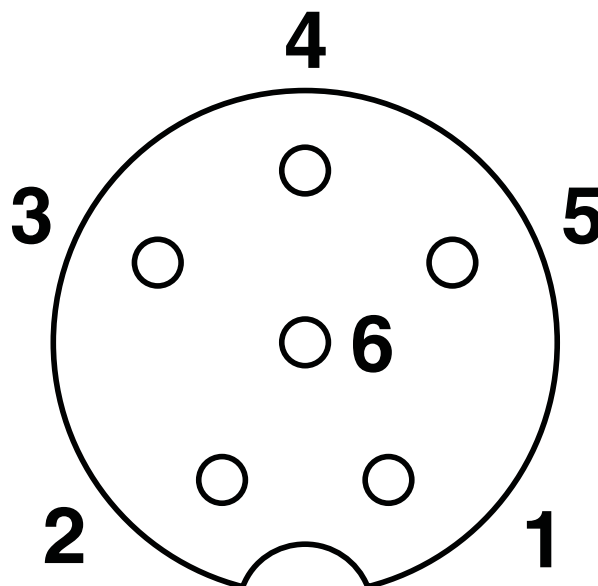
## Drawings

Dimensional drawing



Socket M8 x 1, straight

Schematic diagram



Pin assignment M8 socket, 6-pos.

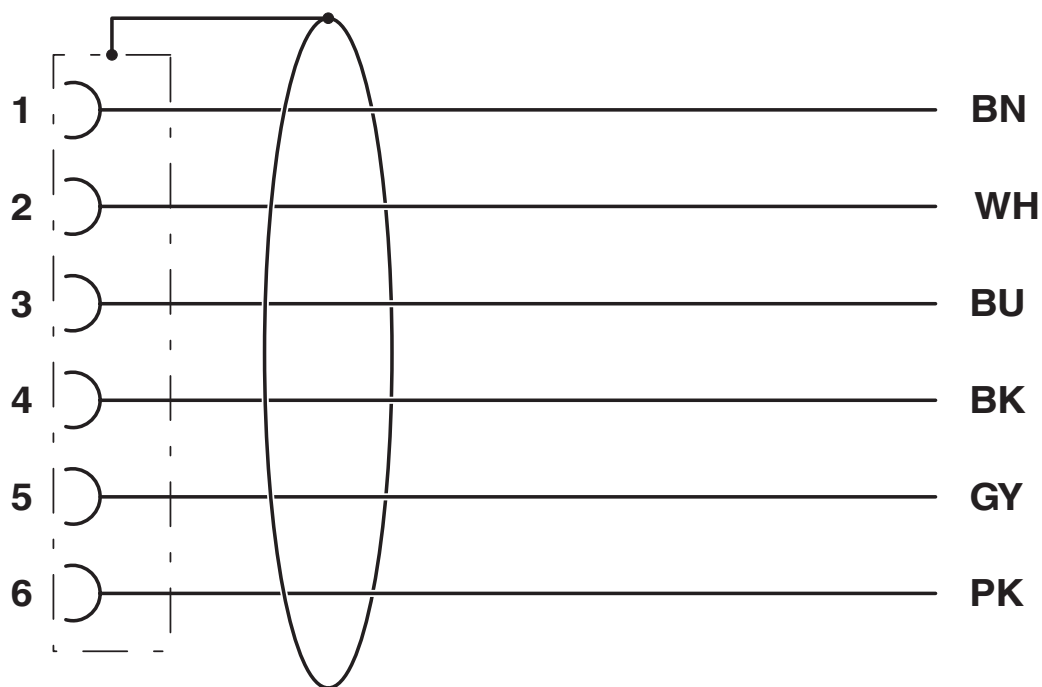
## SAC-6P-10,0-PUR/M 8FS SH - Sensor/actuator cable



1522422

<https://www.phoenixcontact.com/gb/products/1522422>

Circuit diagram



## SAC-6P-10,0-PUR/M 8FS SH - Sensor/actuator cable



1522422

<https://www.phoenixcontact.com/gb/products/1522422>

## Approvals

**UL Listed**

Approval ID: FILE E 221474

	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	30 V	1.5 A	-	-

**cUL Listed**

Approval ID: FILE E 221474

	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	30 V	1.5 A	-	-

**EAC**

Approval ID: RU D-DE.HB35.B.00387

# SAC-6P-10,0-PUR/M 8FS SH - Sensor/actuator cable



1522422

<https://www.phoenixcontact.com/gb/products/1522422>

## Classifications

### ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311

### ETIM

ETIM 8.0	EC001855
----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

# SAC-6P-10,0-PUR/M 8FS SH - Sensor/actuator cable



1522422

<https://www.phoenixcontact.com/gb/products/1522422>

## Environmental Product Compliance

China RoHS

Environmentally friendly use period: unlimited = EFUP-e

No hazardous substances above threshold values

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)



**SCATTERGOOD  
& JOHNSON LTD**  
ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

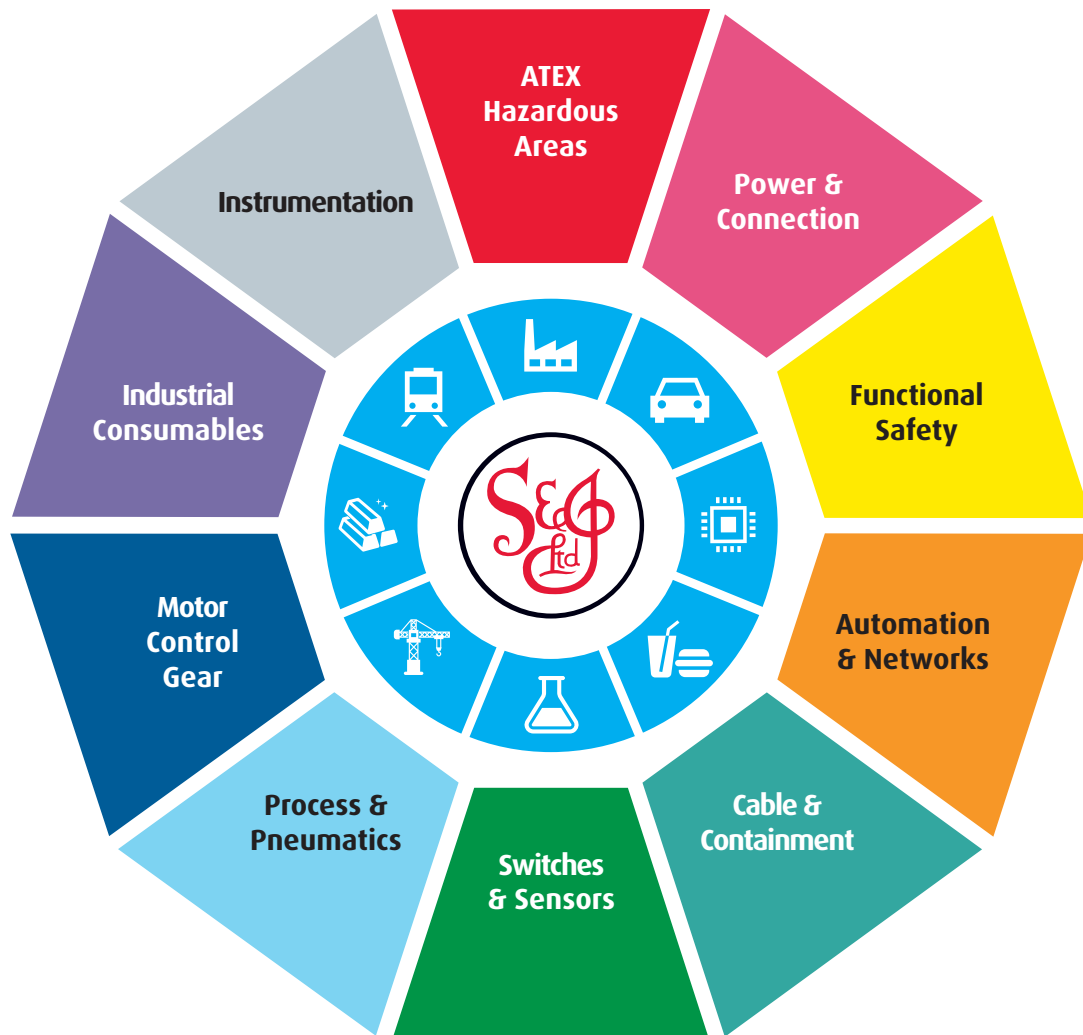
At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product manufacturers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

**[www.scatts.co.uk](http://www.scatts.co.uk)**