

SAC-5P-Y/2X0,3-PUR/FS B PE SCO - Sensor/actuator cable



1544073

<https://www.phoenixcontact.com/us/products/1544073>

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, 5-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A, PIN 2+4 bridged, cable length: 0.3 m

Commercial data

Item number	1544073
Packing unit	5 pc
Minimum order quantity	5 pc
Note	Made to order (non-returnable)
Sales key	BF03
Product key	BF1COA
GTIN	4046356106702
Weight per piece (including packing)	60.4 g
Weight per piece (excluding packing)	60.4 g
Customs tariff number	85444290
Country of origin	PL

SAC-5P-Y/2X0,3-PUR/FS B PE SCO - Sensor/actuator cable



1544073

<https://www.phoenixcontact.com/us/products/1544073>

Technical data

Product properties

Product type	Distributor with cable
Number of positions	5
No. of cable outlets	2
Shielded	no
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	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires

Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 A
Max. conductor resistance	58 Ω/km

Mechanical properties

Mechanical data

Max. bending cycles	4000000
---------------------	---------

Signaling

Status display	no
Status display present	No

Connector

Connection 1

Type	Plug straight M12 SPEEDCON
Locking type	SPEEDCON

SAC-5P-Y/2X0,3-PUR/FS B PE SCO - Sensor/actuator cable



1544073

<https://www.phoenixcontact.com/us/products/1544073>

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

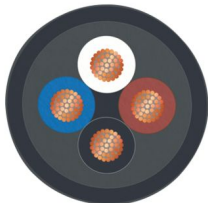
Connection 2

Type	Socket straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	A

Cable/line

Cable length	0.3 m
--------------	-------

PUR halogen-free black [PUR]

Dimensional drawing	
Cable weight	30 kg/km
UL AWM Style	20549 / 10493 (80°C/300 V)
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross section	4x 0.34 mm² (Signal line)
Wire diameter incl. insulation	1.27 mm ±0.02 mm
External cable diameter	4.20 mm ±0.15 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	brown, white, blue, black
Thickness, insulation	≥ 0.21 mm
Thickness, outer sheath	approx. 0.50 mm
Overall twist	4 wires, twisted
Max. conductor resistance	≤ 58 Ω/km
Insulation resistance	≥ 1 GΩ*km
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 V
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	21 mm
Smallest bending radius, movable installation	42 mm

SAC-5P-Y/2X0,3-PUR/FS B PE SCO - Sensor/actuator cable



1544073

<https://www.phoenixcontact.com/us/products/1544073>

Max. bending cycles	10000000
Minimum bending radius, drag chain applications	10 x D
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Halogen-free	in accordance with DIN VDE 0472 part 815
	in accordance with DIN EN 50267-2-1
Flame resistance	in accordance with UL 758/1581 FT2
	DIN EN 60332-2-2 (20 s)
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)
	Low adhesion
	abrasion-resistant
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
	flexible
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP68
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

SAC-5P-Y/2X0,3-PUR/FS B PE SCO - Sensor/actuator cable

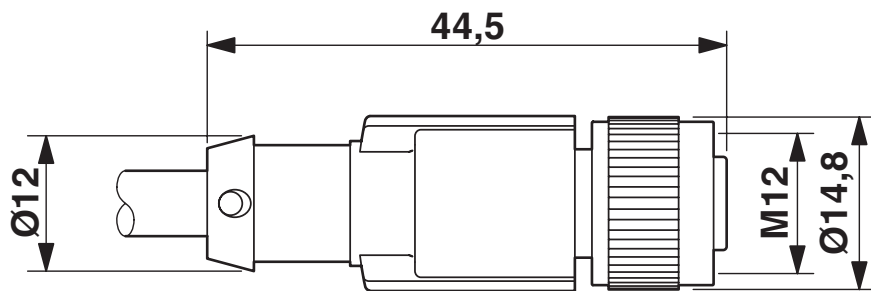


1544073

<https://www.phoenixcontact.com/us/products/1544073>

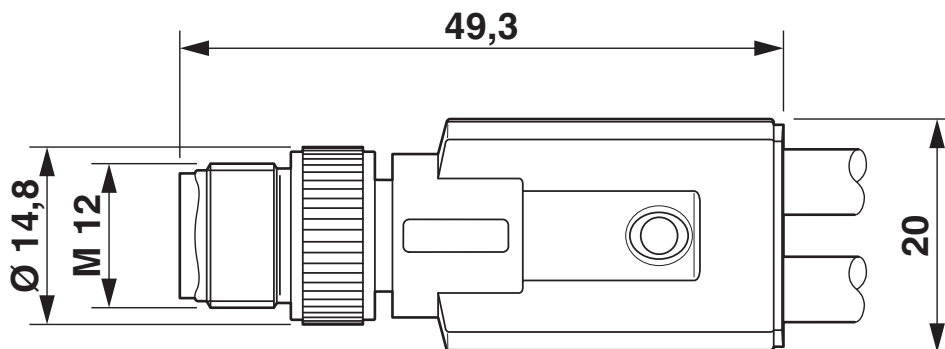
Drawings

Dimensional drawing



M12 x 1 socket, straight

Dimensional drawing



Plug M12 x 1, Y distributor

SAC-5P-Y/2X0,3-PUR/FS B PE SCO - Sensor/actuator cable



1544073

<https://www.phoenixcontact.com/us/products/1544073>

Classifications

ECLASS

ECLASS-11.0	27060313
ECLASS-12.0	27060313
ECLASS-13.0	27060313

ETIM

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

UNSPSC

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

SAC-5P-Y/2X0,3-PUR/FS B PE SCO - Sensor/actuator cable



1544073
<https://www.phoenixcontact.com/us/products/1544073>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com