

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, 4-position, PUR halogen-free, irradiated, yellow, free cable end, on Socket straight M12, coding: A, cable length: 4 m

Commercial data

Item number	1557921
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF03
Product key	BF1CCA
GTIN	4046356301688
Weight per piece (including packing)	164.46 g
Weight per piece (excluding packing)	164.46 g
Customs tariff number	85444290
Country of origin	PL

SAC-4P- 4,0-160/M12FS SO - Sensor/actuator cable



1557921

<https://www.phoenixcontact.com/us/products/1557921>

Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	4
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

Electrical properties

Nominal voltage U_N	250 V
Nominal current I_N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	------------

Signaling

Status display	No
Status display present	No

Connector

Connection 1

Type	free cable end
------	----------------

Connection 2

Type	Socket straight M12
Number of positions	4
Coding type	A

Cable/line

Cable length	4 m
--------------	-----

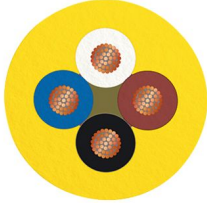
SAC-4P- 4,0-160/M12FS SO - Sensor/actuator cable



1557921

<https://www.phoenixcontact.com/us/products/1557921>

PUR irradiated halogen-free yellow [160]

Dimensional drawing	
Number of positions	4
Shielded	no
Cable type	PUR irradiated halogen-free yellow [160]
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross section	4x 0.34 mm ² (Signal line)
Wire diameter incl. insulation	1.05 mm ±0.05 mm (Signal line)
External cable diameter	5.20 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	yellow
Conductor material	Bare Cu litz wires
Material wire insulation	PE
Single wire, color	brown, white, blue, black
Overall twist	4 wires, twisted
Length of twist, overall twist	27 mm
Max. conductor resistance	≤ 57 Ω/km
Nominal voltage, cable	320 V AC
Test voltage	2500 V AC (50 Hz, 5 minutes)
Smallest bending radius, fixed installation	min. 15 mm
Smallest bending radius, movable installation	min. 30 mm
Max. bending cycles	5000000
Torsion force	360 °/m
Halogen-free	The cable is halogen-free
Flame resistance	DIN VDE 0472 part 804, test type B
Other resistance	hydrolysis and microbe resistant
Special properties	Silicone-free Irradiated
Ambient temperature (operation)	-50 °C ... 105 °C (cable, fixed installation) -40 °C ... 105 °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)
	-50 °C ... 105 °C (cable, fixed installation)
	-40 °C ... 105 °C (Cable, flexible installation)

SAC-4P- 4,0-160/M12FS SO - Sensor/actuator cable

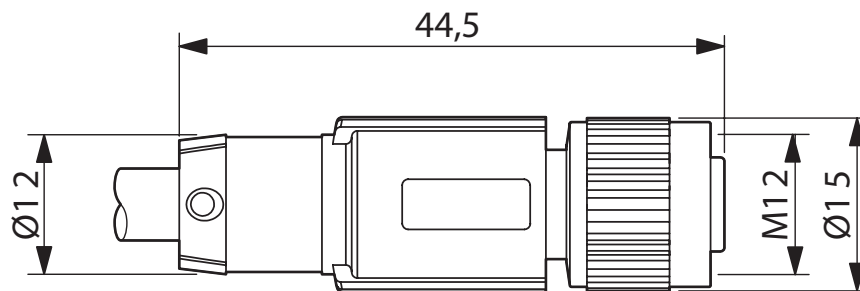


1557921

<https://www.phoenixcontact.com/us/products/1557921>

Drawings

Dimensional drawing



M12 x 1 socket, straight, shielded

SAC-4P- 4,0-160/M12FS SO - Sensor/actuator cable



1557921

<https://www.phoenixcontact.com/us/products/1557921>

Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-13.0	27060311

Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	EFUP-50 An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
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