

1415941

<https://www.phoenixcontact.com/us/products/1415941>

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, 3-position, PVC, black RAL 9005, free cable end, on Valve connector CI (9.4 mm), with 1 LED, Wiring: Varistor, cable length: 1.5 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- Convenient: increased machine availability thanks to quick and easy diagnostics

Commercial data

Item number	1415941
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF07
Product key	BF1DFA
Catalog page	Page 231 (C-2-2019)
GTIN	4055626055169
Weight per piece (including packing)	80.15 g
Weight per piece (excluding packing)	80.15 g
Customs tariff number	85444290
Country of origin	PL

SAC-3P- 1,5-PVC/CI-1L-V - Sensor/actuator cable



1415941

<https://www.phoenixcontact.com/us/products/1415941>

Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Application	Standard
Number of positions	3
No. of cable outlets	1
Shielded	no

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	V0
Seal material	TPU
Material housing valve plug	TPU
Contact material	CuSn
Valve plug contact insert material	PA 6.6
Contact surface material	Sn

Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	24 V AC
	24 V DC
Nominal current I_N	4 A

Valve connector characteristics

Fixing screws	M3 x 29
---------------	---------

Signaling

Status display	1 LED
Status display present	Yes

Connector

Connection 1

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

Connection 2

Type	Valve connector CI (9.4 mm)
Number of positions	3
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)

SAC-3P- 1,5-PVC/CI-1L-V - Sensor/actuator cable



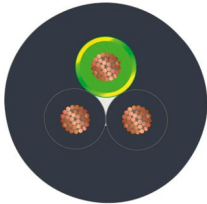
1415941

<https://www.phoenixcontact.com/us/products/1415941>

Cable/line

Cable length	1.5 m
--------------	-------

PVC black [PVC]

Dimensional drawing	
Cable weight	38.6 kg/km
UL AWM Style	2464
Number of positions	3
Shielded	no
Cable type	PVC black [PVC]
Conductor structure signal line	16x 0.20 mm
AWG signal line	20
Conductor cross section	3x 0.5 mm ²
Wire diameter incl. insulation	1.5 mm ±0.05 mm
External cable diameter	4.80 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
Max. conductor resistance	39 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km
Nominal voltage, cable	300 V
Test voltage	1200 V
Minimum bending radius, fixed installation	5 x D
Smallest bending radius, fixed installation	24 mm
Flame resistance	DIN VDE 0482 DIN EN 50265-2-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
----------------------	------

SAC-3P- 1,5-PVC/CI-1L-V - Sensor/actuator cable



1415941

<https://www.phoenixcontact.com/us/products/1415941>

	IP67
Ambient temperature (operation)	-20 °C ... 85 °C (valve plug)

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