

SAC-3P- 2,0-116/A - Sensor/actuator cable



1411615

<https://www.phoenixcontact.com/us/products/1411615>

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, PUR/PVC, black RAL 9005, free cable end, on Valve connector A, Wiring: unwired, cable length: 2 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- Our standard: robust halogen-free PUR cable

Commercial data

Item number	1411615
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1DAA
GTIN	4046356935630
Weight per piece (including packing)	128.12 g
Weight per piece (excluding packing)	124.62 g
Country of origin	PL

SAC-3P- 2,0-116/A - Sensor/actuator cable



1411615

<https://www.phoenixcontact.com/us/products/1411615>

Technical data

Product properties

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

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	230 V AC
	230 V DC
Nominal current I_N	6 A

Signaling

Status display	no
Status display present	no

Connector

Connection 1

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

Connection 2

Type	Valve connector A
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carrier)
	TPU (Housing)
Protective circuit	unwired

Cable/line

Cable length	2 m
--------------	-----


PUR/PVC, 0.75 mm², black [116]

SAC-3P- 2,0-116/A - Sensor/actuator cable



1411615

<https://www.phoenixcontact.com/us/products/1411615>

Dimensional drawing	
Cable weight	53.4 kg/km
UL AWM Style	20549
Number of positions	3
Shielded	no
Cable type	PUR/PVC, 0.75 mm ² , black [116]
Conductor structure signal line	24x 0.20 mm
AWG signal line	18
Conductor cross-section	3x 0.75 mm ²
Wire diameter incl. insulation	1.7 mm ±0.05 mm
External cable diameter	5.80 mm ±0.2 mm
Outer sheath, material	PUR
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	26 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
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	29 mm
Smallest bending radius, movable installation	58 mm
Dynamic load capacity (bending)	Max. bending cycles: 1000000, Traversing path: 10 m, Traversing rate: 2 m/s, Acceleration: 2.5 m/s ²
Flame resistance	DIN VDE 0482 DIN EN 50265-2-1 in acc. with UL FT-2
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Low adhesion
Special properties	flexible
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

SAC-3P- 2,0-116/A - Sensor/actuator cable



1411615

<https://www.phoenixcontact.com/us/products/1411615>

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-20 °C ... 85 °C (Valve connector)
	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

Standards and regulations

Valve connector

Standard designation	Valve connector
Standards/specifications	EN 175301-803

SAC-3P- 2,0-116/A - Sensor/actuator cable

1411615

<https://www.phoenixcontact.com/us/products/1411615>

Drawings

Dimensional drawing



Valve connector, type A, side view

Dimensional drawing



Valve connector, type A

1411615

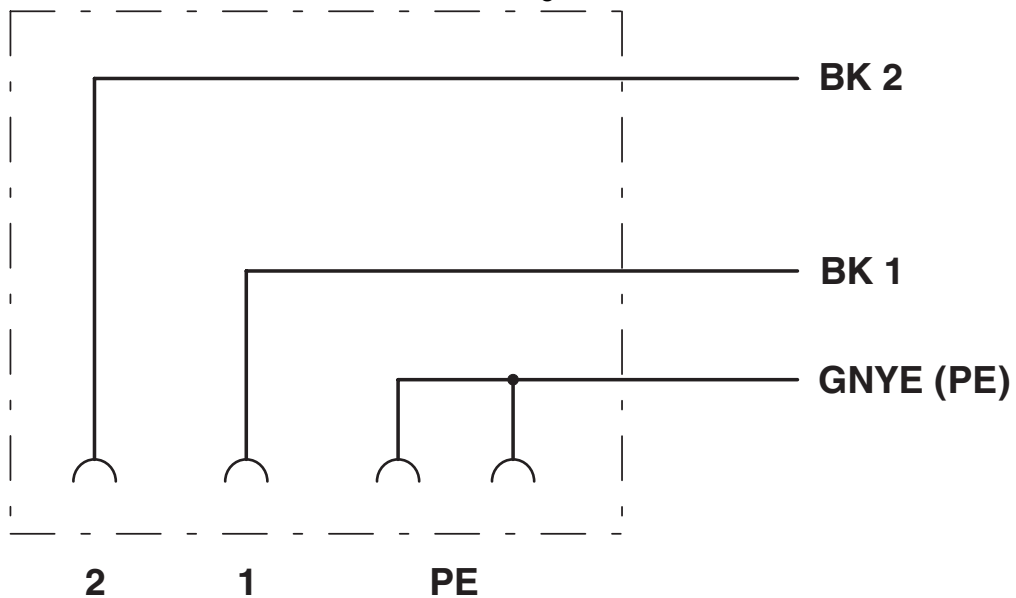
<https://www.phoenixcontact.com/us/products/1411615>

Schematic diagram



Valve connector pin assignment, type A

Circuit diagram



Contact assignment of the valve plug

SAC-3P- 2,0-116/A - Sensor/actuator cable



1411615

<https://www.phoenixcontact.com/us/products/1411615>

Classifications

ECLASS

ECLASS-13.0	27060312
ECLASS-15.0	27060312

UNSPSC

UNSPSC 21.0	31251500
-------------	----------

SAC-3P- 2,0-116/A - Sensor/actuator cable



1411615

<https://www.phoenixcontact.com/us/products/1411615>

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 2026 © - 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