SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

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 A, Wiring: unwired, cable length: 1.5 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components

Commercial data

Item number	1415920
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF07
Product key	BF1DAA
Catalog page	Page 239 (C-2-2019)
GTIN	4055626054858
Weight per piece (including packing)	81.7 g
Weight per piece (excluding packing)	80 g
Customs tariff number	85444290
Country of origin	PL

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

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	≥ 100 MΩ
Nominal voltage U_N	230 V AC
	230 V DC
Nominal current I_N	6 A

Valve connector characteristics

Fixing screws	M3 x 29

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 carriers)
	TPU (Housing)

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920
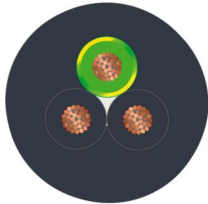
https://www.phoenixcontact.com/us/products/1415920

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 mm²
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

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

Standards and regulations

Valve connector

Standard designation	Valve connector
Standards/specifications	EN 175301-803

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

Drawings

Dimensional drawing
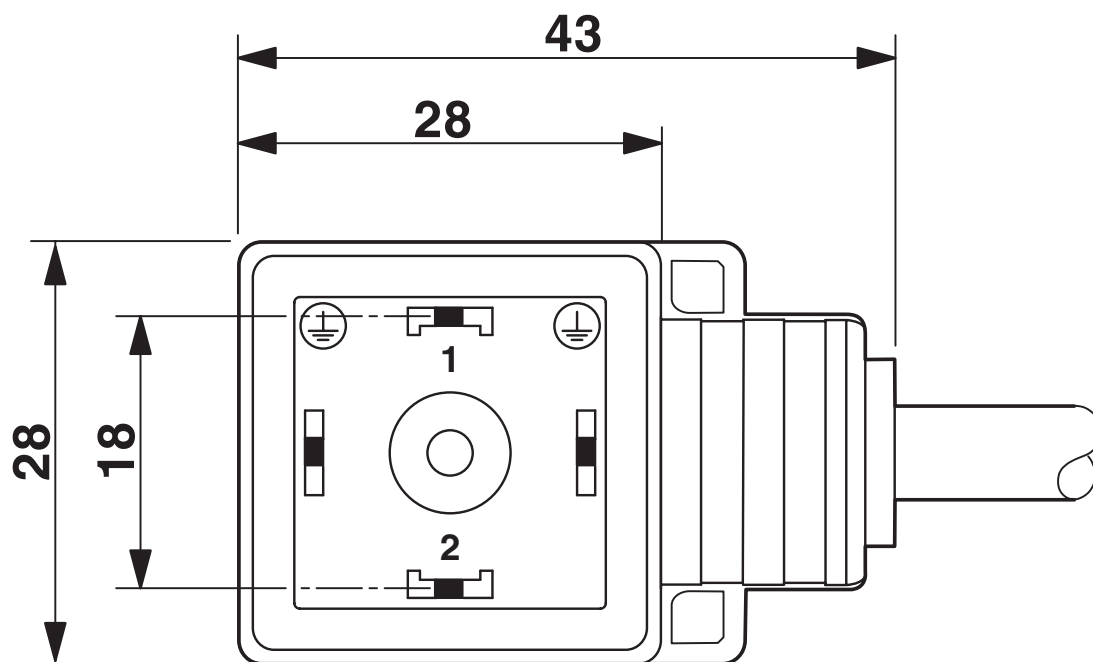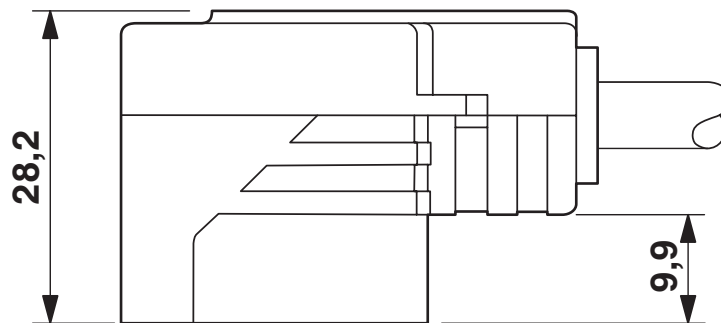

Valve connector, type A

Circuit diagram

BK 2

BK 1

GNYE (PE)

2　　**1**　　　**PE**

SAC-3P- 1,5-PVC/A - Sensor/actuator cable
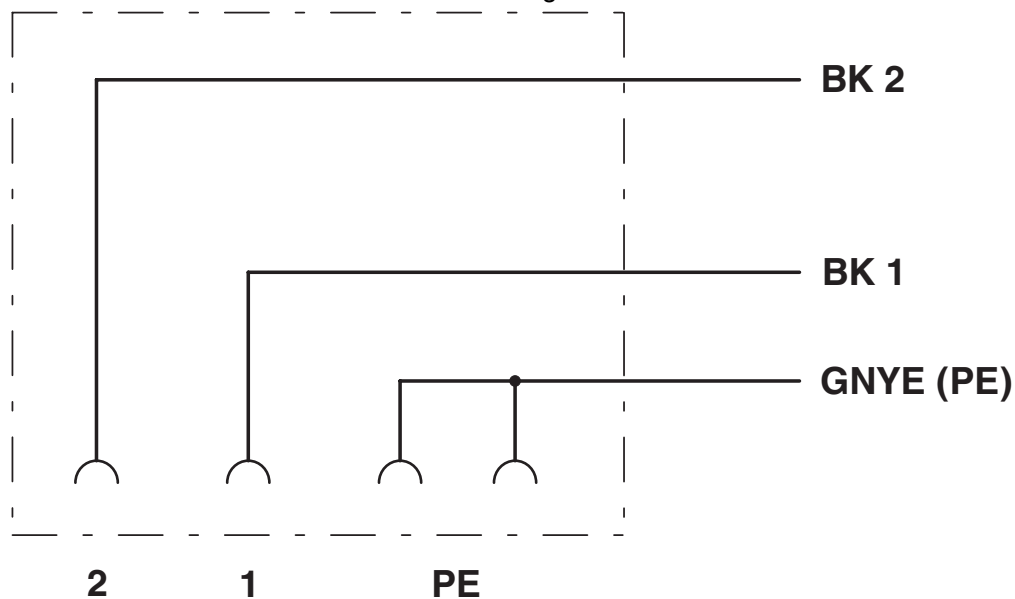
1415920

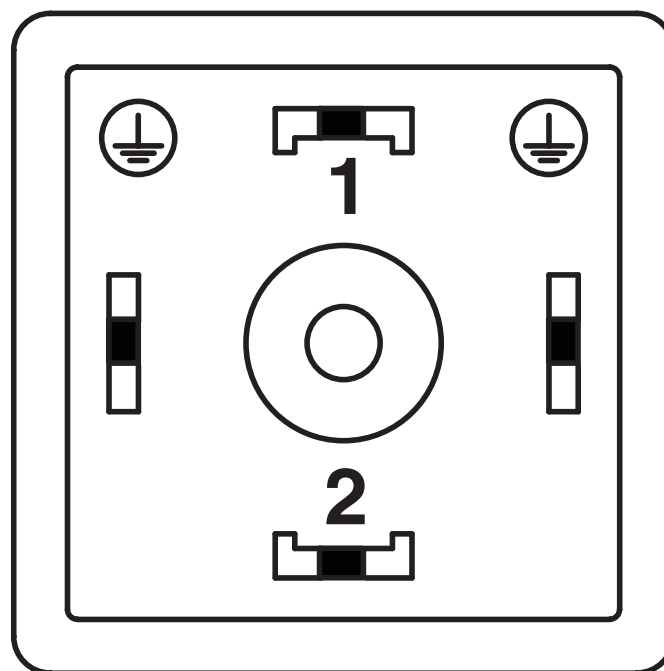https://www.phoenixcontact.com/us/products/1415920

Dimensional drawing

28,2

9,9

Valve connector, type A, side view

Schematic diagram

1

2

Valve connector pin assignment, type A

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1415920

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

	CSAus			
	Approval ID: 13631			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	230 V	6 A	-	-

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

Classifications

ECLASS

ECLASS-11.0	27060312
ECLASS-12.0	27060312
ECLASS-13.0	27060312

ETIM

ETIM 9.0	EC001855

UNSPSC

UNSPSC 21.0	31251500

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.)	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)
SCIP	6b14be27-cad7-4d9e-bd57-682ddaa2427f

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

Accessories

SAC-V-SCREW-M3-29 KNURL - Screw

1403779

https://www.phoenixcontact.com/us/products/1403779

Fillister head screw with plastic knurl, M3 x 40

UCT-WMT (23X4) - Conductor marker

0801453

https://www.phoenixcontact.com/us/products/0801453

Conductor marker, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 30

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

UC-WMT (23X4) - Conductor marker

0819411

https://www.phoenixcontact.com/us/products/0819411

Conductor marker, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 24

US-WMT (23X4) - Cable marker

0828769

https://www.phoenixcontact.com/us/products/0828769

Cable marker, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: slide-on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 56

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

WMTW (23X4)R - Cable marker

0831004

https://www.phoenixcontact.com/us/products/0831004

Cable marker, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 3000

WP-CTA POM 13,0 BK - Protective hose adapter

1422884

https://www.phoenixcontact.com/us/products/1422884

Protective hose adapter, for corrugated hoses with a nominal size of 13 (10 x 13), corrugated in parallel

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

WP-PA HF 13,0 BK - Protective hose

3240681

https://www.phoenixcontact.com/us/products/3240681

Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: V0, inner diameter: 10 mm, Total length: 50 m

WP-PA HF-HB 13,0 BK - Protective hose

3240839

https://www.phoenixcontact.com/us/products/3240839

Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: HB, inner diameter: 10 mm, Total length: 50 m

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

TSD-M 1,2NM - Torque screwdriver

1212224

https://www.phoenixcontact.com/us/products/1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.
3 - 1.2 Nm

SF-BIT-PH 1-70 - Screw insert

1212582

https://www.phoenixcontact.com/us/products/1212582

Screw bit, PH crosshead, E6.3-1/4" drive, size: PH 1 x 70 mm, hardened,
suitable for holder according to DIN 3126-F6.3/ISO 1173

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

B-STIFT - Marker pen

1051993

https://www.phoenixcontact.com/us/products/1051993

Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

CUTFOX-S VDE - Diagonal cutter

1212207

https://www.phoenixcontact.com/us/products/1212207

Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

WIREFOX SAC-1 - Stripping tool

1212757

https://www.phoenixcontact.com/us/products/1212757

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 3.2 to 4.4 mm, any stripping length

WIREFOX SAC - Stripping tool

1212623

https://www.phoenixcontact.com/us/products/1212623

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

SAC-3P- 1,5-PVC/A - Sensor/actuator cable

1415920

https://www.phoenixcontact.com/us/products/1415920

WIREFOX 10 - Stripping tool

1212150

https://www.phoenixcontact.com/us/products/1212150

Stripping tool, for cables and conductors from 0.02 - 10 mm^2, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm^2 stranded/1.5 mm^2 solid, replaceable stripping blade