

SAC-3P- 1,5-116/A-1L-Z - Sensor/actuator cable



1453371

<https://www.phoenixcontact.com/gb/products/1453371>

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, with 1 LED, Wiring: Z diode, cable length: 1.5 m

Commercial data

Item number	1453371
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AF1DAA
Product key	AF1DAA
GTIN	4046356552950
Weight per piece (including packing)	103.1 g
Weight per piece (excluding packing)	101.6 g
Customs tariff number	85444290
Country of origin	PL

SAC-3P- 1,5-116/A-1L-Z - Sensor/actuator cable



1453371

<https://www.phoenixcontact.com/gb/products/1453371>

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

Connection data

Conductor connection

Tightening torque	0.6 Nm (Valve connector)
-------------------	--------------------------

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

Signaling

Status display	1 LED
Status display present	yes

Connector

Connection 1

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

Connection 2

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

SAC-3P- 1,5-116/A-1L-Z - Sensor/actuator cable



1453371

<https://www.phoenixcontact.com/gb/products/1453371>

Protective circuit	Z diode
--------------------	---------

Cable/line

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

PUR/PVC, 0.75 mm², black [116]

Dimensional drawing	
Cable weight	
UL AWM Style	20549
Number of positions	3
Shielded	no
Cable type	PUR/PVC, 0.75 mm², black [116]
Conductor structure signal line	24x 0.20 mm
AWG signal line	18
Conductor cross section	3x 0.75 mm²
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/s²
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

SAC-3P- 1,5-116/A-1L-Z - Sensor/actuator cable



1453371

<https://www.phoenixcontact.com/gb/products/1453371>

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

Ambient conditions

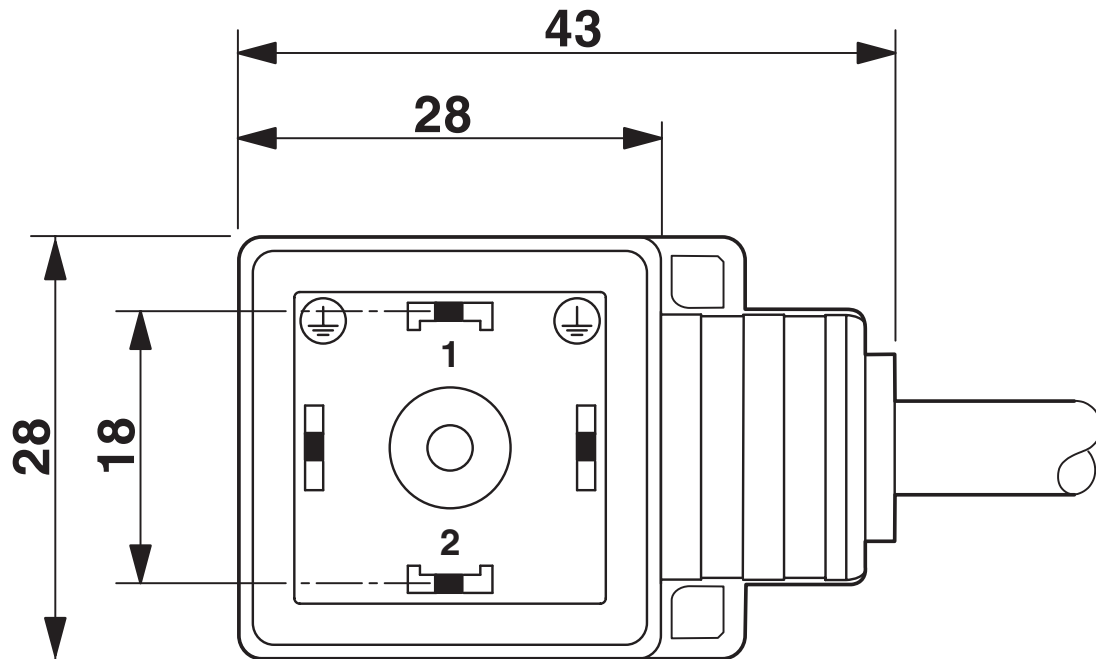
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-20 °C ... 85 °C (Valve connector)

Standards and regulations

Standard designation	Valve connector
Standards/specifications	EN 175301-803

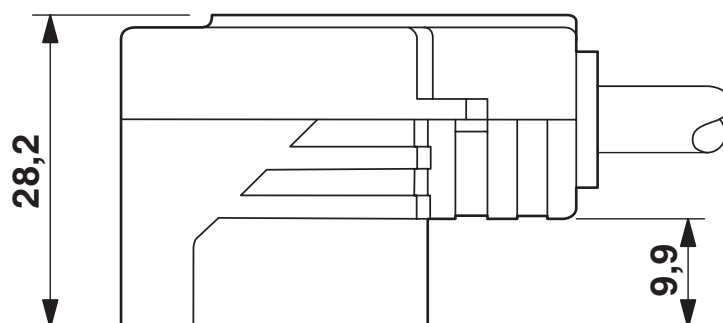
Drawings

Dimensional drawing



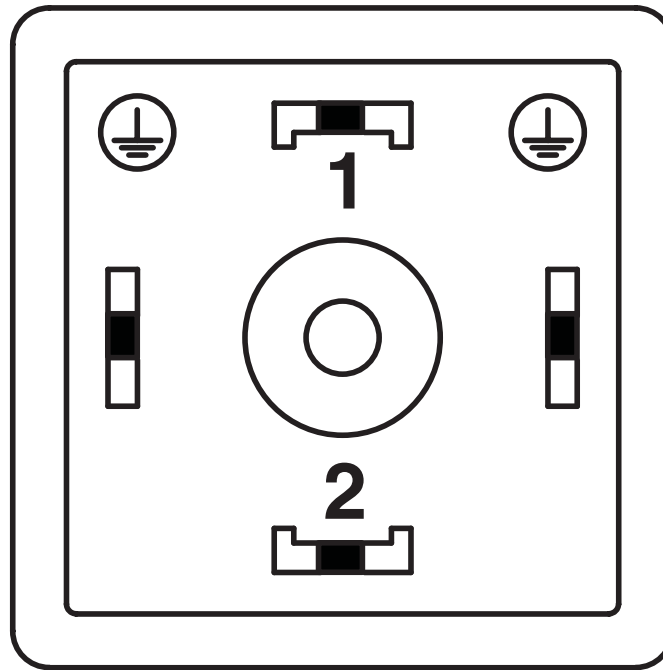
Valve connector, type A

Dimensional drawing

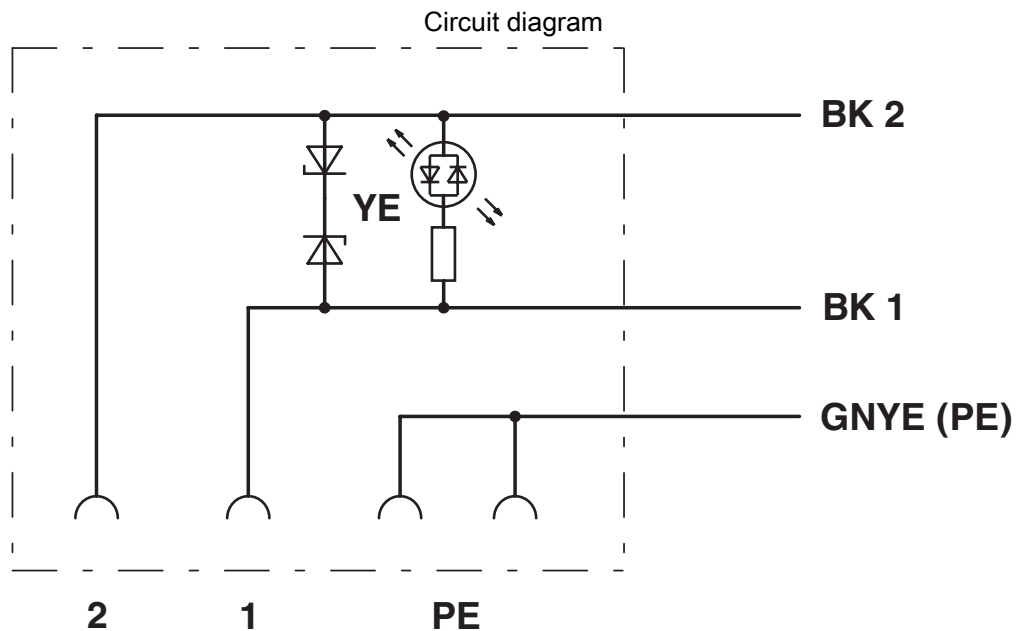


Valve connector, type A, side view

Schematic diagram



Valve connector pin assignment, type A



Contact assignment of the valve plug

SAC-3P- 1,5-116/A-1L-Z - Sensor/actuator cable



1453371

<https://www.phoenixcontact.com/gb/products/1453371>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1453371>

	CSA Approval ID: 13631			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	24 V	4 A	-	-

	CSAus Approval ID: 13631			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	24 V	4 A	-	-

SAC-3P- 1,5-116/A-1L-Z - Sensor/actuator cable



1453371

<https://www.phoenixcontact.com/gb/products/1453371>

Classifications

ECLASS

ECLASS-13.0	27060312
-------------	----------

ETIM

ETIM 9.0	EC001855
----------	----------

UNSPSC

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

SAC-3P- 1,5-116/A-1L-Z - Sensor/actuator cable



1453371

<https://www.phoenixcontact.com/gb/products/1453371>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(c)-I

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.)	Diboron trioxide(CAS: 1303-86-2)
	Lead monoxide (lead oxide)(CAS: 1317-36-8)
SCIP	d6766ac6-b5f5-42fe-99c0-4c3d00ce0ed1

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk