

SAC- 1,5/0,2-116/2XA-1L-Z VA - Sensor/actuator cable



1407846

<https://www.phoenixcontact.com/us/products/1407846>

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/PVC, black, free cable end, on Valve connector A, with 1 LED, Wiring: Z diode and Valve connector A, with 1 LED, Wiring: Z diode, cable length: 1.5 m

Commercial data

Item number	1407846
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1DGA
GTIN	4046356774611
Weight per piece (including packing)	161.7 g
Weight per piece (excluding packing)	161.7 g
Country of origin	PL

1407846

<https://www.phoenixcontact.com/us/products/1407846>

Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Number of positions	4
No. of cable outlets	1
Shielded	no

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	HB
Seal material	TPU
Material housing valve plug	TPU
Contact material	CuSn
Valve plug contact insert material	PA 6.6
Contact surface material	Sn
Material for screw connection	Stainless steel

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50
-----------------------------	----

Signaling

Status display	1 LED
Status display present	yes

Connector

Connection 1

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

Connection 2

Type	Valve connector A
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carrier)

SAC- 1,5/0,2-116/2XA-1L-Z VA - Sensor/actuator cable



1407846

<https://www.phoenixcontact.com/us/products/1407846>

	TPU (Housing)
Protective circuit	Z diode


Connection 3

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

Cable/line

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

PUR/PVC, 0.75 mm², black [116]

Dimensional drawing	
---------------------	---

Cable weight	57 kg/km
UL AWM Style	20549
Number of positions	4
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	4x 0.75 mm ²
Wire diameter incl. insulation	1.7 mm ±0.05 mm
External cable diameter	6.30 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	black 1, black 2, black 3, green/yellow
Overall twist	4 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
Smallest bending radius, fixed installation	63 mm

according to DIN VDE 0482

SAC- 1,5/0,2-116/2XA-1L-Z VA - Sensor/actuator cable



1407846

<https://www.phoenixcontact.com/us/products/1407846>

Flame resistance	According to DIN EN 50265-2-1
	in acc. with UL FT-2
Ambient temperature (operation)	-5 °C ... 80 °C (Cable, flexible installation)
	-40 °C ... 80 °C (cable, fixed installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP68
	IP69K
Ambient temperature (operation)	-25 °C ... 85 °C (Valve connector)

Standards and regulations

Standard designation	Valve connector
Standards/specifications	EN 175301-803

Drawings

Dimensional drawing



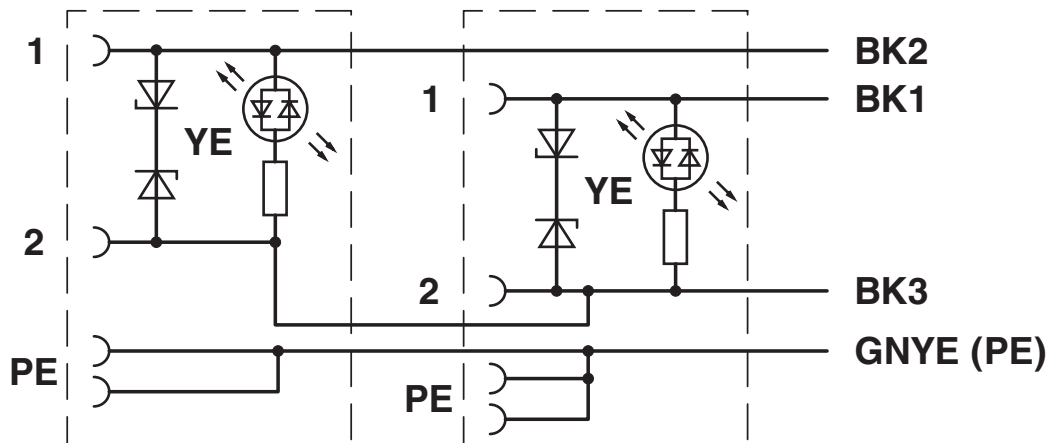
Double valve connector, 2x type A

Schematic diagram



Valve connector pin assignment, type A

Circuit diagram



Contact assignment of the double-valve connector

SAC- 1,5/0,2-116/2XA-1L-Z VA - Sensor/actuator cable



1407846

<https://www.phoenixcontact.com/us/products/1407846>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1407846>



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
keine				
	24 V	4 A	-	-

SAC- 1,5/0,2-116/2XA-1L-Z VA - Sensor/actuator cable



1407846

<https://www.phoenixcontact.com/us/products/1407846>

Classifications

ECLASS

ECLASS-13.0	27060312
ECLASS-15.0	27060312

ETIM

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

UNSPSC

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

1407846

<https://www.phoenixcontact.com/us/products/1407846>

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.)	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