

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

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 B (10 mm), with 1 LED, Wiring: Z diode, cable length: 10 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	1400610
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF1
Product key	AF1DCA
Catalog page	Page 229 (C-2-2019)
GTIN	4046356512992
Weight per piece (including packing)	386.3 g
Weight per piece (excluding packing)	373 g
Customs tariff number	85444290
Country of origin	PL

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

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
Pulse power	40 W (at 100 μ s square-wave pulse)
Terminal voltage	70 V (at 2 mA constant current)
Reverse voltage	50 V

Signaling

Status display	1 LED
Status display present	Yes

Connector

Connection 1

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

Connection 2

Type	Valve connector B (10 mm)
Number of positions	3
	CuSn (Contact)

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

Material	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)

Cable/line

Cable length	10 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)

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-20 °C ... 85 °C (valve plug)
	-25 °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-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

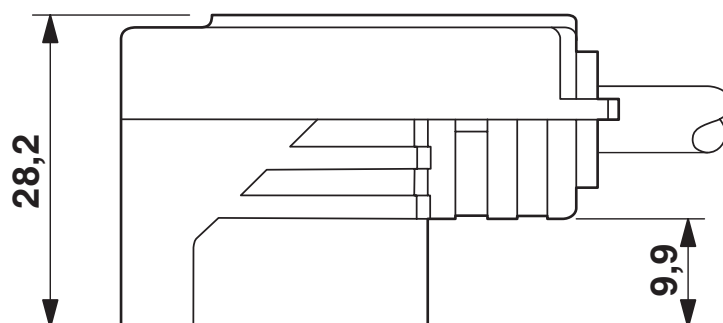
Drawings

Dimensional drawing



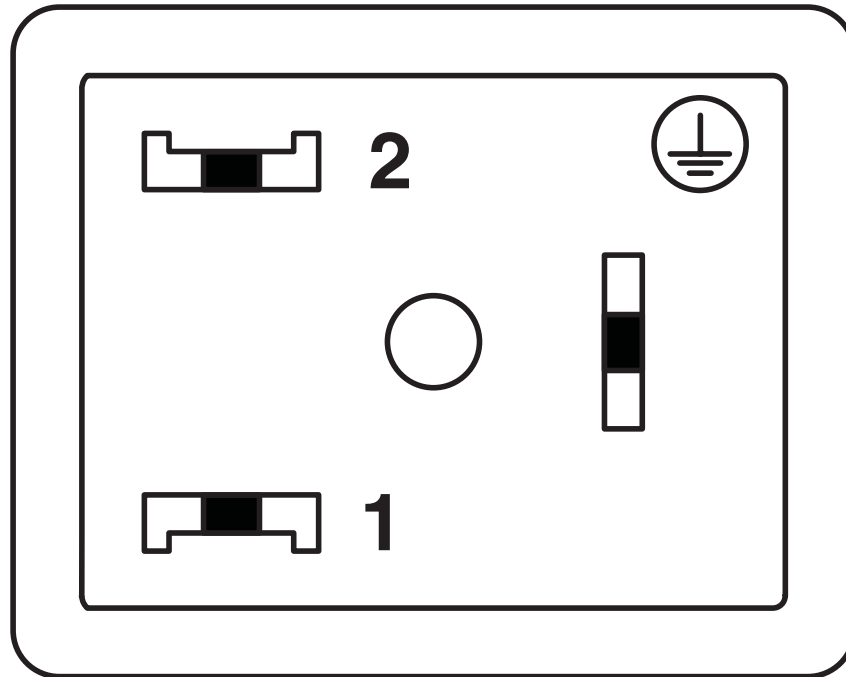
Valve connector, type B

Dimensional drawing

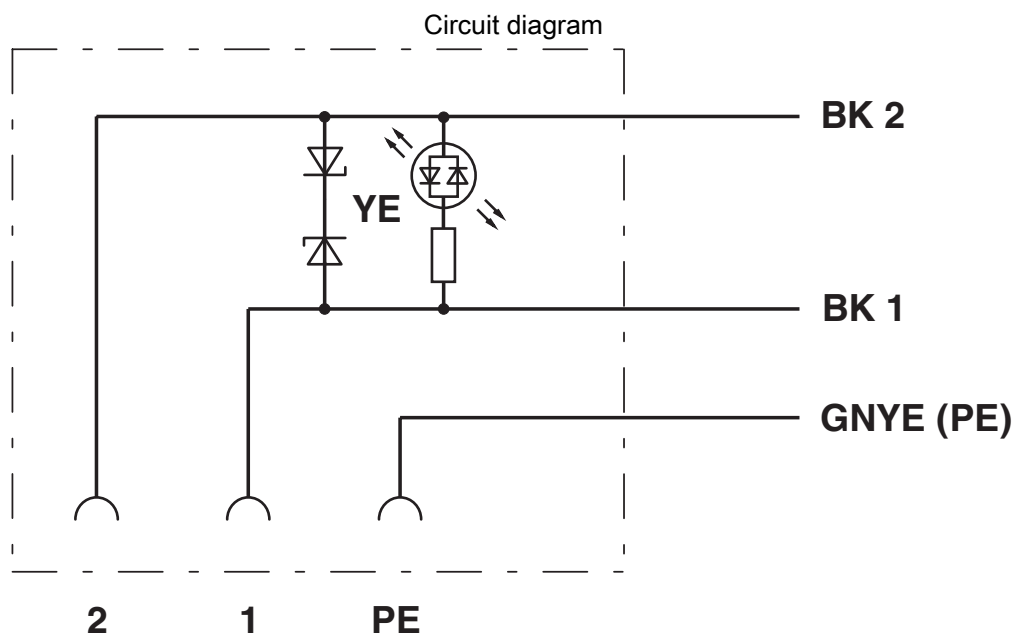


Valve connector, type B, side view

Schematic diagram



Valve connector pin assignment, type B



Contact assignment of the valve plug

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1400610>

 CSAus Approval ID: 13631	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	24 V	6 A	-	-

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

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%
-------------------------------------	----------------------------

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

Accessories

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

1403779

<https://www.phoenixcontact.com/in/products/1403779>

Fillister head screw with plastic knurl, M3 x 40



UCT-WMT (23X4) - Conductor marker

0801453

<https://www.phoenixcontact.com/in/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, Number of individual labels: 30, text field height: 4 mm, text field width: 23 mm



SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

UC-WMT (23X4) - Conductor marker

0819411

<https://www.phoenixcontact.com/in/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, Number of individual labels: 24, text field height: 4 mm, text field width: 23 mm

US-WMT (23X4) - Cable marker

0828769

<https://www.phoenixcontact.com/in/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, Number of individual labels: 56, text field height: 4 mm, text field width: 23 mm

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable

1400610

<https://www.phoenixcontact.com/in/products/1400610>



WMTW (23X4)R - Cable marker

0831004

<https://www.phoenixcontact.com/in/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, Number of individual labels: 3000, text field height: 4 mm, text field width: 23 mm

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

1422884

<https://www.phoenixcontact.com/in/products/1422884>



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

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

WP-PA HF 13,0 BK - Protective hose

3240681

<https://www.phoenixcontact.com/in/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, inside diameter: 10 mm, Total length: 50 m

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

3240839

<https://www.phoenixcontact.com/in/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, inside diameter: 10 mm, Total length: 50 m

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

TSD-M 1,2NM - Torque screwdriver

1212224

<https://www.phoenixcontact.com/in/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/in/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-10,0-PVC/B-1L-Z - Sensor/actuator cable

1400610

<https://www.phoenixcontact.com/in/products/1400610>



B-STIFT - Marker pen

1051993

<https://www.phoenixcontact.com/in/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/in/products/1212207>



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

SAC-3P-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

WIREFOX SAC-1 - Stripping tool

1212757

<https://www.phoenixcontact.com/in/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/in/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-10,0-PVC/B-1L-Z - Sensor/actuator cable



1400610

<https://www.phoenixcontact.com/in/products/1400610>

WIREFOX 10 - Stripping tool

1212150

<https://www.phoenixcontact.com/in/products/1212150>



Stripping tool, for cables and conductors from 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in