

# SAC-2P-M8Y/2X 0,4-PVC/BI-1L180 - Sensor/actuator cable



1012546

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Sensor/actuator cable, 3-position, PVC, black, Valve connector BI (11 mm), with 1 LED, on Valve connector BI (11 mm), with 1 LED and Valve connector BI (11 mm), with 1 LED, cable length: 0.4 m

## Commercial data

Item number	1012546
Packing unit	1 pc
Minimum order quantity	100 pc
Product key	AF1BOA
GTIN	4055626491219
Weight per piece (including packing)	70.5 g
Weight per piece (excluding packing)	70.5 g
Country of origin	PL

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## Technical data

### Product properties

Product type	Distributor with cable
Application	Standard
Number of positions	3
No. of cable outlets	2
Shielded	no
Coding	A

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Material housing valve plug	TPU
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Contact material	CuSn
Valve plug contact insert material	PA 6.6
Contact surface material	Sn
Material for screw connection	Zinc die-cast, nickel-plated

### Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	48 V AC
	60 V DC
Nominal current $I_N$	4 A

### Signaling

Status display	1 LED
Status display present	yes

### Connector

#### Connection 1

Type	Valve connector BI (11 mm)
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#### Connection 2

Type	Valve connector BI (11 mm)
Material	CuSn (Contact)
	Sn (Contact surface)

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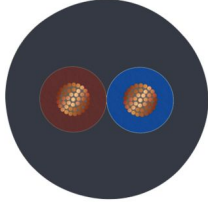
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	PA 6.6 (Contact carrier)
	TPU (Housing)
Connection 3	
Type	Valve connector BI (11 mm)
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carrier)
	TPU (Housing)

## Cable/line

Cable length	0.4 m
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## PVC black [PVC]

Dimensional drawing	
Cable weight	34.9 kg/km
UL AWM Style	2464
Number of positions	2
Shielded	no
Cable type	PVC black [PVC]
Conductor structure signal line	16x 0.20 mm
AWG signal line	20
Conductor cross-section	2x 0.5 mm <sup>2</sup>
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
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue
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	according to DIN VDE 0482
	According to DIN EN 50265-2-1

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Resistance to oil	largely oil-resistant
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) (Valve connector)	-20 °C ... 85 °C (Valve connector)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 80 °C (cable, fixed installation)
Ambient temperature (operation) (flexible installation)	-15 °C ... 80 °C (Cable, flexible installation)

## Standards and regulations

### M8

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

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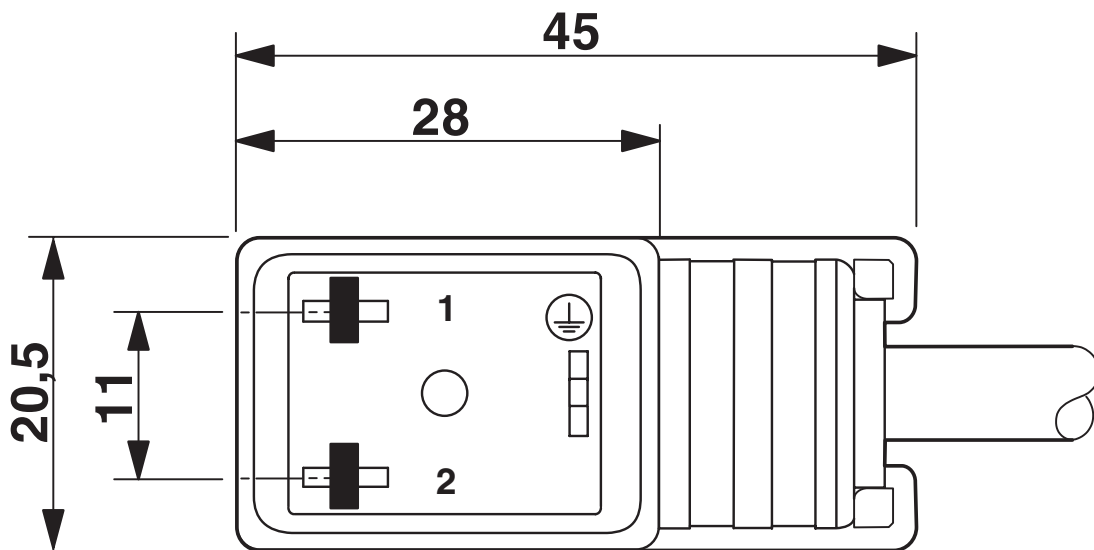
## Drawings

Dimensional drawing



Plug M8 x 1, Y distributor

Dimensional drawing



Valve connector, type BI

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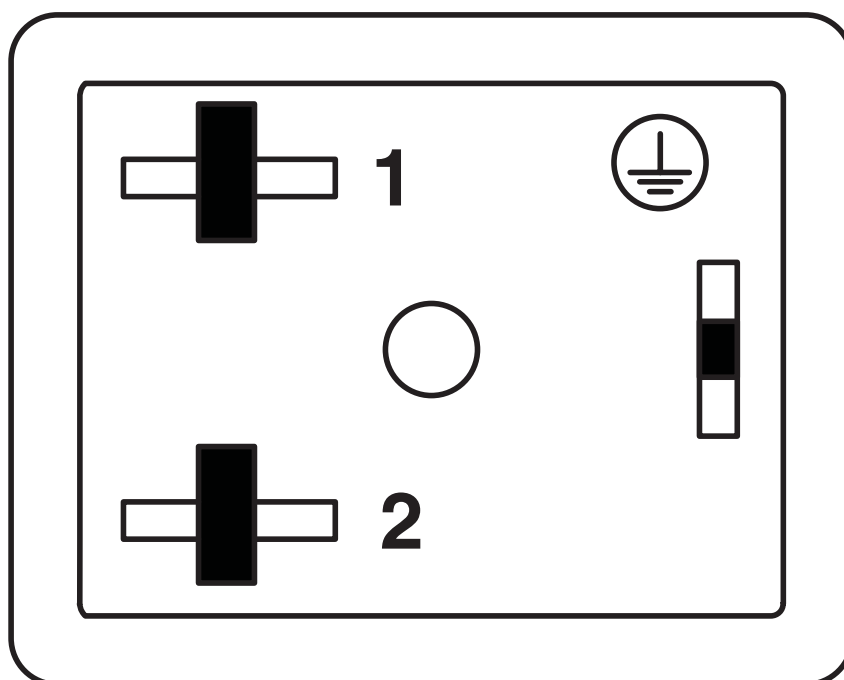
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Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

Schematic diagram



Valve connector pin assignment, type BI

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## Classifications

### ECLASS

ECLASS-13.0	27060313
ECLASS-15.0	27060313

### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### 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.)	Lead(CAS: 7439-92-1)
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