


22260586	<b>DATA SHEET</b>	
Valid from: 18.11.2019	<b>AB-C3-2,0PUR-BI-1L-S</b>	

## Description

- Sensor/actuator cable with LED, PUR halogen-free
- Free wire end, 3-pol, to valve plug BI (11 mm)



## General characteristics

Number of pins	3
Ambient temperature (operation)	-20 to +85 °C (-4°F to 185°F) (valve plug) -40 to +80 °C (-40°F to 176°F) (cable fixed installation) -20 to +80 °C (-4°F to 176°F) (cable flexible)
Degree of protection	IP 65 / IP 67
Cable length of the free cable end	50 mm
Central screw valve plug	M3 x 29

## Variation

Article	Description	Length [m]
22260586	AB-C3-2,0PUR-BI-1L-S	2,0
22260580	AB-C3-5,0PUR-BI-1L-S	5,0
22260581	AB-C3-10,0PUR-BI-1L-S	10,0

## Additional note

This datasheet is also valid for other length configurations. Other lengths upon request.

## Electrical properties


Rated voltage	24 V
Rated current at 40 °C	4 A
Overvoltage category	III
Pollution degree	3

## Mechanical properties

### Plug

Inflammability class according to UL 94	V0
Contact valve plug	CuSn
Contact surface valve plug	Sn
Contact insert valve plug	PA 66
Housing valve plug	TPU
Seal	TPU (seal injected)
Tightening torque	0.6 Nm (valve plug connector)

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### Line

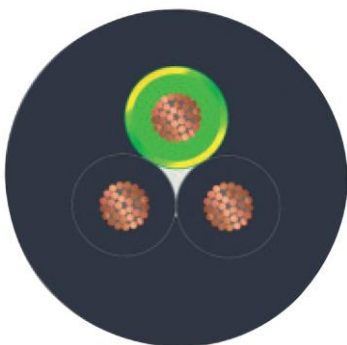
Cable construction	3x AWG20/28
Conductor diameter including isolation	1.5 mm ± 0.05 mm (signal line)
Cable outer diameter	4.5 mm ± 0.2 mm
Core identification	Black 1, black 2, green / yellow
Sheath colour	Black grey RAL 7021
Bending radius	50 mm
Number of bending cycle	15000000
Traveling distance	0.9 m
Travel speed	5 m/s
Acceleration	30 m/s <sup>2</sup>
Outer coating, material	PUR
Wire insulation, material	PP
Flame resistance	Acc. DIN VDE 0482 Acc. DIN EN 50265-2-1
Halogen-free	Acc. DIN VDE 0472 part 815

### Standards / Approvals

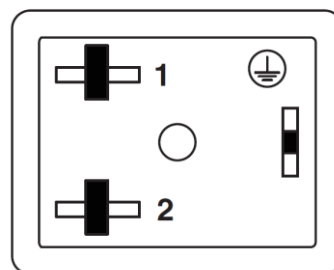
Valve connectors	EN 175301-803
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### Technical drawing

Wire cross section




Drawing



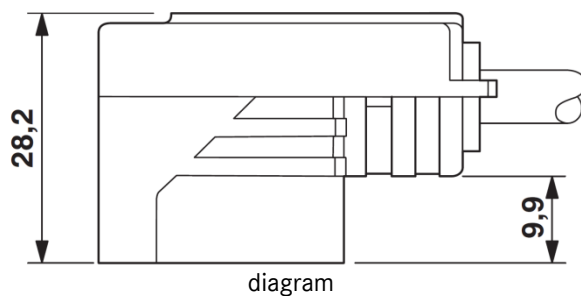
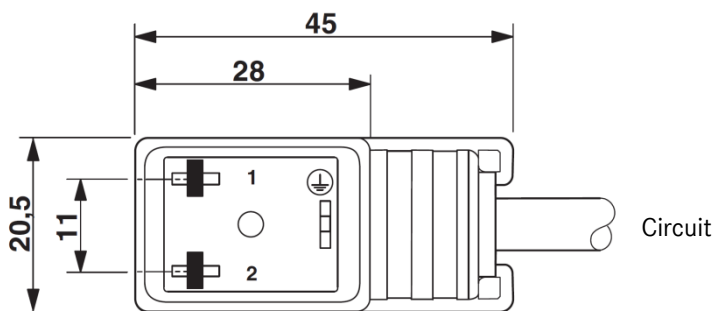
Pin assignment valve plug, design BI

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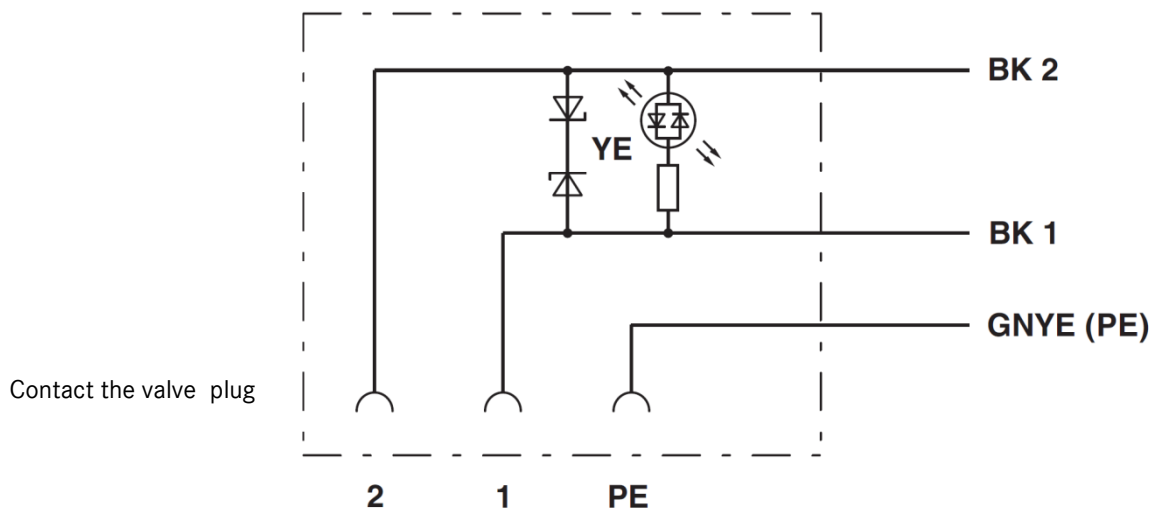
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Dimensional drawing

Dimensional drawing



valve plug, design BI



### Application range

Automation, industrial machinery and plant engineering

### Note

Photographs are not true to scale and do not represent detailed images of the respective products.

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