

1422561

https://www.phoenixcontact.com/us/products/1422561

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Double valve connector cable, 4-position, PUR/PVC, black RAL 9005, free cable end, on Valve connector A, with 1 LED and Valve connector A, with 1 LED, cable length: 5 m, valve connector spacing: 0.2 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- · Efficient: control valves with two connections via a single connecting cable
- · Convenient: increased machine availability thanks to quick and easy diagnostics

Commercial data

Item number	1422561
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF07
Product key	BF1DGA
GTIN	4055626353906
Weight per piece (including packing)	385 g
Weight per piece (excluding packing)	385 g
Customs tariff number	85444290
Country of origin	PL



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Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Number of positions	4
Application	Standard
No. of cable outlets	1
Shielded	no
Insulation characteristics	
Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	НВ
Seal material	TPU
Material housing valve plug	TPU
Contact material	CuSn
Valve plug contact insert material	PA 6.6
Contact surface material	Sn
Outer sheath, material	PUR

Electrical properties

Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	110 V AC
	110 V DC
Nominal current I _N	4 A
Protective circuit	Suppressor diode
Valve connector characteristics	

M3 x 29

Mechanical properties

Fixing screws

Mechanical data	
Insertion/withdrawal cycles	50
Signaling	
Status display	1 LED
Status display present	Yes

Connector



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Туре	free cable end
onnection 2	
Туре	Valve connector A
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)
Connection 3	
Type	Valve connector A
	Valve connector A CuSn (Contact)
Туре	
	CuSn (Contact)

Cable/line

0.2 m	Cable length	5 m
		0.2 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 mm², black [116]
Conductor structure signal line	24x 0.20 mm
AWG signal line	18
Conductor cross section	4x 0.75 mm²
Wire diameter incl. insulation	1.7 mm ±0.05 mm
External cable diameter	6.3 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black
Conductor material	Bare Cu litz wires



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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
Flame resistance	according to DIN VDE 0482
	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
Ambient temperature (operation)	-25 °C 85 °C (valve plug)

Standards and regulations

Valve connector

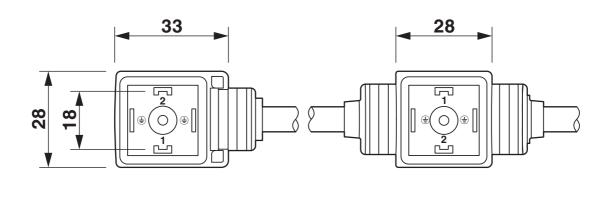


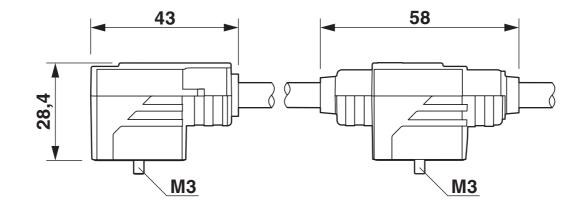
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Drawings

Dimensional drawing





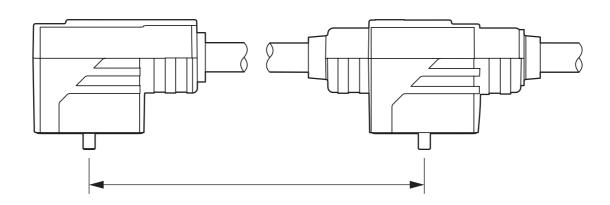
Double valve connector, 2x type A



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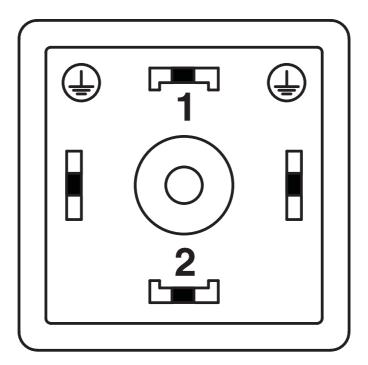
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Dimensional drawing



Valve connector spacing

Schematic diagram



Valve connector pin assignment, type A



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Classifications

ECLASS

ECLASS-11.0	27060312
ECLASS-13.0	27060312

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