

1457995

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Double valve connector 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: 3 m, valve connector spacing: 0.1 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 guick and easy diagnostics

### Commercial data

Item number	1457995
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF07
Product key	BF1DGA
Catalog page	Page 243 (C-2-2019)
GTIN	4046356638418
Weight per piece (including packing)	251 g
Weight per piece (excluding packing)	251 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

## Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	24 V AC
	24 V DC
Nominal current I <sub>N</sub>	4 A
Protective circuit	Z diode

### Valve connector characteristics

Fixing screws	M3 x 29
Pulse power	40 W (at 100 μs square-wave pulse)
Terminal voltage	70 V (at 2 mA constant current)
Reverse voltage	50 V

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles 50	

## Signaling

Status display	1 LED
Status display present	Yes

## Connector

### Connection 1



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<b>T</b>	Constitution of
Туре	free cable end
onnection 2	
Туре	Valve connector A
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)
onnection 3	
Туре	Valve connector A
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)
ole/line	

## С

Cable length	3 m
	0.1 m

## PUR/PVC, 0.75 mm², black [116]

Dimensional drawing



· · · · · · · · · · · · · · · · · · ·	VC, 0.75 mm², black [116]
mber of positions 4 ielded no ble type PUR/F	• • •
ielded no ble type PUR/F	• •
ble type PUR/F	• •
· · · · · · · · · · · · · · · · · · ·	• •
	20 mm
nductor structure signal line 24x 0.	20 111111
VG signal line 18	
inductor cross section 4x 0.7	5 mm²
re diameter incl. insulation 1.7 mm	n ±0.05 mm
ternal cable diameter 6.30 n	m ±0.2 mm
ter sheath, material PUR	
ternal sheath, color black	
nductor material Bare 0	cu litz wires
aterial wire insulation PVC	
ngle wire, color black	, black 2, black 3, green/yellow
rerall twist 4 wire	



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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

Standard designation	Valve connector
Standards/specifications	EN 175301-803



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# Classifications

## **ECLASS**

	ECLASS-11.0	27060312		
	ECLASS-12.0	27060312		
	ECLASS-13.0	27060312		
ETIM				
	ETIM 9.0	EC001855		
UNSPSC				
	UNSPSC 21.0	31251500		



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## Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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