

### Basic features

Approval/Conformity	CE UKCA cULus WEEE
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### Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Short-circuit protection	yes

### Electrical data

Current draw max.	30 mA
Load cycles	100 mil.
Operating voltage $U_b$	18...30 VDC
Output current max.	250 mA
Protection class	III
Switching cycles min.	100 mil.
Switching frequency	200 Hz

### Environmental conditions

Ambient temperature	-25...85 °C
Compensation temperature	-25...85 °C
EN 60068-2-27, Shock	500 g, 1 ms
EN 60068-2-6, Vibration	10 g, 25...2000 Hz
IP rating	IP67
Interference immunity	EN 61326-2-3: 2013
Media temperature	-40...125 °C
Noise emission	EN 61326-2-3: 2013
Storage temperature	-40...85 °C
Temperature coefficient typ.	$\leq \pm 0.5$ % FSO/10K

### Functional safety

MTTF (40 °C)	1388 a
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### IO-Link

IO-Link Profil IDs	0x0001 SSP0
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### Interface

Interface	IO-Link 1.1
Switching output	PNP

### Material

Connector housing, material	Nickel-plated brass
Gasket, material	FKM
Housing material	1.4301 stainless steel
Measuring cell, material	Ceramic Al <sub>2</sub> O <sub>3</sub>
Process connection material	1.4571 stainless steel

### Mechanical data

Process connection	G 1/4" (DIN 3852)
Tightening torque max.	5 Nm
Weight	140 g

Pressure Sensors  
**BSP B600-DV011-D06S1A-S4**  
**Order Code: BSP0119**

**BALLUFF**

**Range/Distance**

Accuracy	±0.5 % FSO BFSL
Burst pressure	1570 bar
Long-term stability max.	0.3 % FSO/year

Measuring range	0...600 bar
Overload pressure	1000 bar
Resolution	≤ 12 bits
Response time max.	13 ms
Sampling rate	1 ms

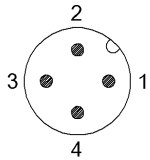
**Remarks**

vacuum-tight

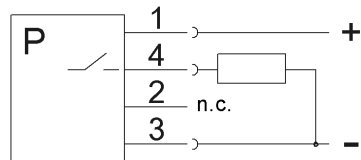
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

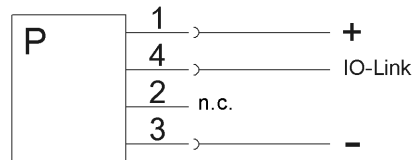
**Connector Drawings**



**Wiring Diagrams**



1)



2)

1) Standard mode

2) IO-Link mode