

1) Display and control panel 2) Process connection 3) Housing rotatable 320°



Display/Operation

Switching function display LED

Electrical connection

Connection M12x1-Male, 4-pole, A-coded
Short-circuit protection yes

Electrical data

Current draw max. 50 mA
Load cycles 100 million
MTTF (40 °C) 368 a
Operating voltage U_b 18...36 VDC
Output current max. 500 mA
Polarity reversal protected yes
Protection class III
Switching cycles min. 100 million
Switching frequency 200 Hz

Environmental conditions

Ambient temperature -40...85 °C
Compensation temperature -25...85 °C
EN 60068-2-27, Shock 30 g, 11 ms
EN 60068-2-6, Vibration 30 g, 10...2000 Hz
Interference immunity EN 61000-6-2: 2005
Media temperature -40...125 °C
Noise emission EN 61326-2-3: 2013
Protection type IEC 60529 IP67
Storage temperature -40...85 °C
Temperature coefficient typ. $\leq \pm 0.3$ % FSO/10K

General data

Approval/Conformity CE
Operating panel 2 buttons
320° rotation
4-digit, 7-segment display, red

Material

Connector housing, material Stainless steel (1.4307)
Gasket, material FKM
Housing material Stainless steel (1.4301), PA 6.6
PA 6.6
Measuring cell, material Ceramic Al₂O₃
Process connection material Stainless steel (1.4301)

Mechanical data

Process connection G 1/4" (DIN 3852)
Tightening torque max. 5 Nm
Weight 230.00 g

Output/Interface

Analog output Analog, current, 4...20 mA
Switching output PNP

Range/Distance

Accuracy ± 0.5 % FSO BFSL
Burst pressure 1000.00 bar
Long-term stability max. 0.3 % FSO/year
Measuring range 0...400 bar
Overload pressure 650 bar
Repeat accuracy R $\leq \pm 0.2$ % FSO

Pressure Sensors
BSP B400-EV003-A02A0B-S4
Ordercode: BSP002Z



Resolution ≤ 12 Bit
Sampling rate 1 ms

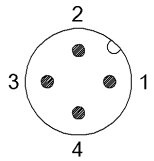
For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Remarks

vacuum-tight
Permissible burden on analog output $R_{max} = 330 \text{ Ohm}$

Connector view



Wiring Diagram

