

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



Display/Operation

Switching function display LED

Electrical connection

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

Electrical data

Current draw max. 50 mA
 Load cycles 100 million
 Operating voltage Ub 18...36 VDC
 Output current max. 500 mA
 Protection class III
 Switching cycles min. 100 million
 Switching frequency 200 Hz

Environmental conditions

Ambient temperature -25...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
 IP rating IP67
 Interference immunity EN 61000-6-2: 2005
 Media temperature -25...125 °C
 Noise emission EN 61000-6-4:2013
 Storage temperature -40...85 °C
 Temperature coefficient typ. ≤ ±0.3 % FSO/10K

Functional safety

MTTF (40 °C) 368 a

General data

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

Material

Connector housing, material Stainless steel (1.4307)
 Gasket, material Fluoroelastomer
 Housing material PA
 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 normally open/normally closed (NO/NC)

Pressure Sensors
BSP B010-EV002-A02A0B-S4
Order Code: BSP0016

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Range/Distance

Accuracy	±0.5 % FSO BFSL
Burst pressure	35.00 bar
Long-term stability max.	0.3 % FSO/year

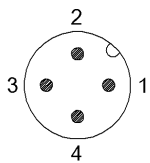
Measuring range	0...10 bar
Overload pressure	20 bar
Repeat accuracy	≤ ± 0.2 % FSO
Resolution	≤ 12 bits
Sampling rate	1 ms

Remarks

vacuum-tight
 Permissible burden on analog output Rmax = 330 Ohm
 For further information about the 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

