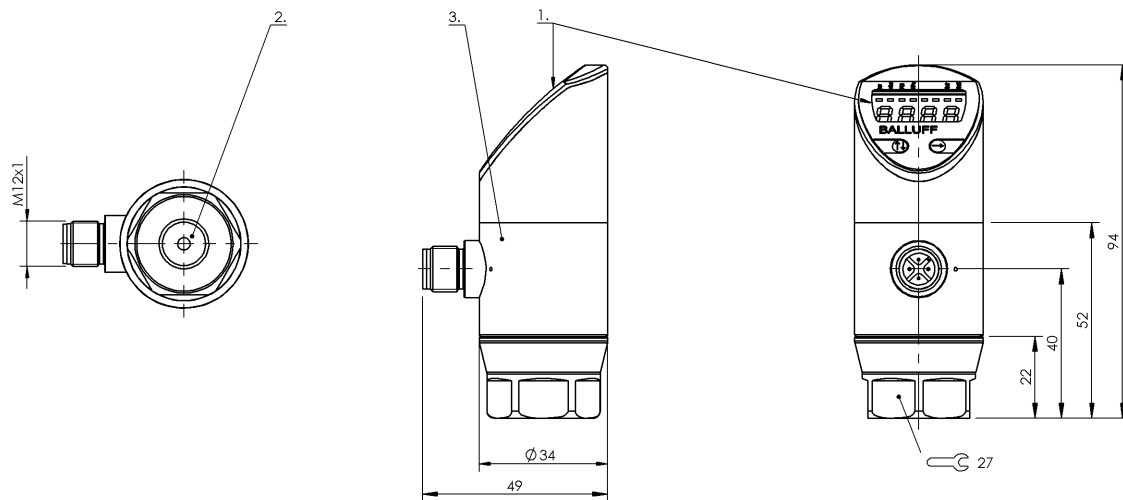


BSP B100-EV003-A01A0B-S4
Ordering code: BSP0039

Pressure sensor
Stainless Steel

Operating pressure max. 100 bar
Process connection G 1/4"

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sensors worldwide



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

Characteristic data

Operating voltage	18...36 V DC
Connection	Plug, M12x1
Output function	1 x NPN, 0 .. 10 V
Resolution	12 Bit

Electrical data

Ripple	< 0.3 %
Current consumption	≤ 50 mA
OutputCurrent max.	500 mA
Output curve deviation max.	±0.5 % FSO BFSL
Stability	EN 61000-6-2:2005
Interference emission	EN 61000-6-4:2007

Mechanical data

Operating temperature min.	-40 °C
Operating temperature max.	+85 °C
Storage temperature min.	-40 °C
Storage temperature max.	+85 °C
Media temperature min.	-40 °C
Media temperature max.	+125 °C
Compensation temperature min.	-25 °C
Compensation temperature max.	+85 °C
Process connection	G 1/4"
Process connection material	Stainless steel 1.4301
Housing material	Stainless steel 1.4301
Measuring cell material	Ceramic Al2O3

Sealing ring material
 Operating pressure min.
 Operating pressure max.
 Pressure overload
 Burst pressure
 Switching cycles
 Repeat accuracy
 Vibration rating

Shock rating
 Tightening torque max.

Basic data

Control panel

Series
 Enclosure Type per IEC 60529
 Protection class
 Short circuit protected
 Polarity reversal protected
 Switching function indicator

Viton FKM
 0 bar
 100 bar
 200 bar
 250 bar
 > 100 Mio.
 ≤ ±0.2 % FSO
 30g (10...2000 Hz)
 DIN EN 60068-2-6: 30g (10...20)
 DIN EN 60068-2-27 : 30g (11ms)
 5,00 Nm

4-digit, 7-segment display, red
 rotatable 320°
 2 keys
 Stainless Steel
 IP 67
 III
 yes
 yes
 LED

Remarks

Admissible load resistor at analog output Rmin = 10 kOhm
 vacuum-proof



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