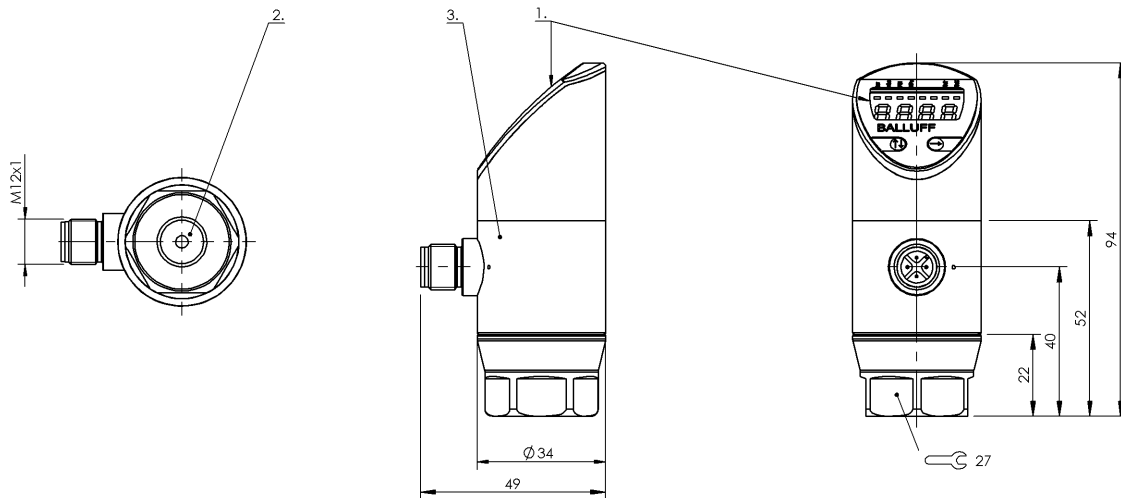


BSP V010-EV003-A03A0B-S4
Ordering code: BSP0059

Pressure sensor
Stainless Steel

Operating pressure max. 10 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, 4 .. 20 mA
 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

Remarks

Admissible load resistor at analog output $R_{max} = 330 \text{ Ohm}$
 vacuum-proof

Viton FKM
 -1 bar
 10 bar
 20 bar
 35 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

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



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