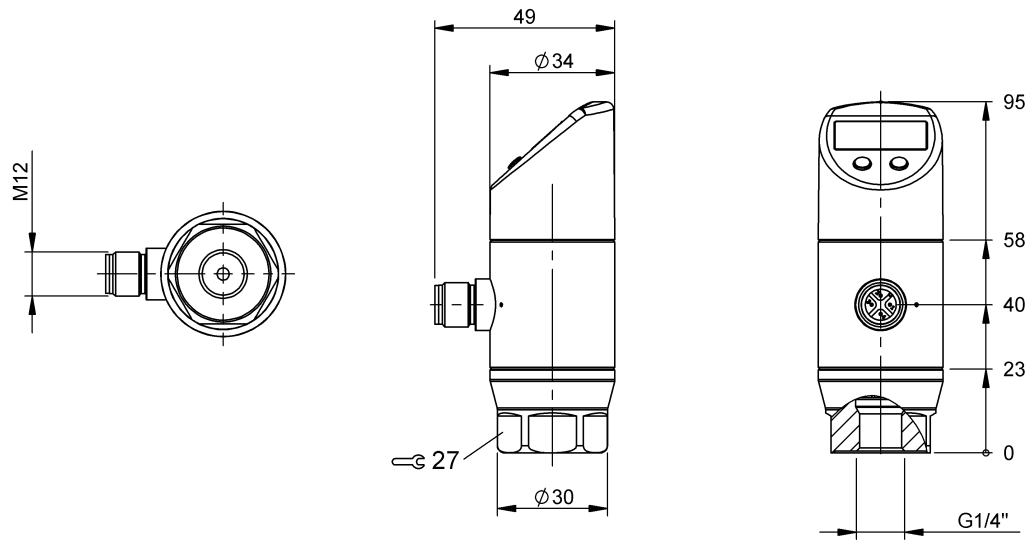




1) Display and control panel, 2) Process connection, 3) Housing rotatable 320°



Basic features

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

Display/Operation

Switching function display	LED
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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.	50 mA
Load cycles	100 mil.
Operating voltage U_b	18...30 VDC
Output current max.	150 mA
Protection class	III
Switching cycles min.	100 mil.
Switching frequency	170 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
IP rating	IP67, when threaded in
Interference immunity	EN 61326-1:2013 EN 61326-2-3: 2013
Media temperature	-40...125 °C
Noise emission	EN 61326-1:2013 EN 61326-2-3: 2013
Storage temperature	-40...85 °C
Temperature coefficient typ.	$\leq \pm 0.3 \%$ FSO/10K

Functional safety

MTTF (40 °C)	267 a
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IO-Link

IO-Link Profil IDs	0x0001 SSP0
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Interface

Analog output	Analog, voltage/Analog, current selectable 4...20 mA/0...10 V
Interface	IO-Link 1.1
Switching output	2x PNP/NPN NO/NC selectable

Pressure Sensors
BSP B250-EV009-P00S2B-S4
Order Code: BSP00YC

BALLUFF

Material

Connector housing, material	1.4301 stainless steel
Gasket, material	FKM
Housing material	1.4301 stainless steel PE, High-density polyethylene
Measuring cell, material	Ceramic Al2O3
Process connection material	1.4301 stainless steel

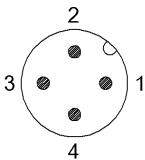
Mechanical data

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

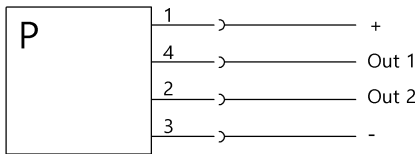
Range/Distance

Accuracy	±0.5 % FSO BFSL
Burst pressure	750 bar
Long-term stability max.	0.3 % FSO/year
Measuring range	0...250 bar
Overload pressure	400 bar
Repeat accuracy	≤ ± 0.2 % FSO
Resolution	≤ 14 bits
Response time max.	13 ms
Sampling rate	1 ms

Connector Drawings



Wiring Diagrams



Out 1=PNP/NPN/IO-Link
Out 2=PNP/NPN/4...20 mA/0...10 V