

Material

Gasket, material	NBR 70
Housing material	Stainless steel
Material sensing surface	EP
Support ring material	PTFE

Mechanical data

Dimension	Ø 12 x 50 mm
Installation	for flush mounting
Mounting	M12x1
Pressure rating max.	500 bar
Pressure rating, note	oil pressure rated
Sealing ring, part number	631753
Sealing ring, size	5.3 x 2.4 mm
Size	M12x1
Tightening torque	20 Nm ±10 %

Output/Interface

Switching output	PNP normally open (NO)
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Range/Distance

Assured operating distance Sa	1.2 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	1.5 mm
Real switching distance sr	1.5 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Remarks

The sensor is functional again after the overload has been eliminated.
Pressure cycle rating: typ. 1 mil. Change 350 bar 90°C on Balluff test stand per BWN Pr. 12.
Overvoltage protection using bi-directional Zener diode between Plus (+) and Minus (-).
Installation Instructions 614804
For more information about 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

