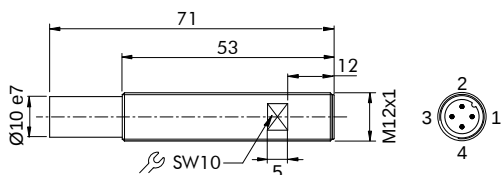


PRESSURE RESISTENT PROXIMITY SWITCHES

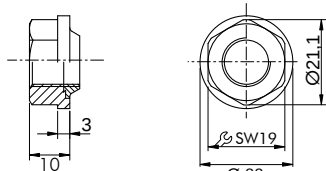


- Stainless steel housing and sensing face
- Up to 260 bar
- Connector output M12x1

Magnetic sensor

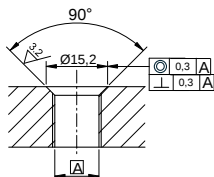


Sealing nut (supplied with the sensor)

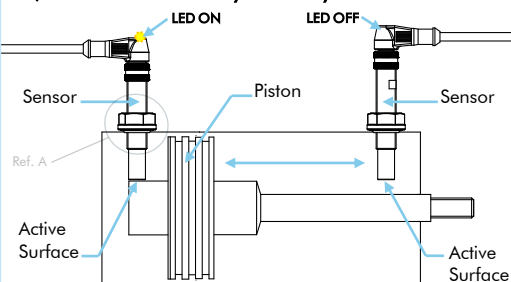


Threads seat

ISO thread with tapered countersink 90°



Ex., sensor installed in hydraulic cylinder



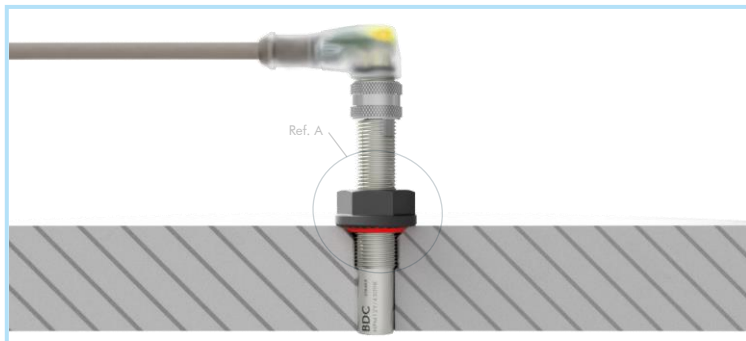
Materials:

- Target Low carbon steel
- Housing Stainless steel (AISI 316L)
- Nut Steel with galvanised surface (CrVI-free) - VDA 235-104.20

Note1: Using sealing nut (supplied) tightened at minimum 22Nm

Note2: With socket in fully locked position

Note3: Contact our office to find the M12 connector suitable for your application



Main Features :

- Direct mounting on hydraulic cylinders and valves
- Metal Sensing face (not plastic or ceramic)
- Not required high precision hole
- Easy mounting

Technical data:

- Supply voltage (U_b) 8 ÷ 30 Vdc
- No-load supply current (I_o): < 20 mA
- Output current (source) max: PNP N.O. 100 mA
- Operate time max: < 0.6 V
- Voltage drop (U_d): 22Kohm
- Pull-down resistor: 0...1.2mm
- Assured sensing distance (S_a): > 2mm
- Assured switching off distance (Out off) : 0.5 mm (from target)
- Recommended operative distance: ± 30%
- Switching hysteresis (H) max: -25° ÷ +70°C
- Temperature range: ± 20%
- Max thermal drift of S_r : 2% Sn
- Repeat accuracy (R): 100 Hz
- Switching frequency max: 260 bar (note1)
- Max Pressure on front side: IP67; IP68 (note2)
- Degree of protection:

- Protected against short-circuit and overload
- Protected against reversal polarity
- Suppression of initial false impulse

- Electromagnetic compatibility (EMC) according to EN IEC 60947-5-2
- Shock and vibration resistance according to EN 60068-2-27 EN 60068-2-6



Flush mounting	Non flush mounting	Female connector (3)	Body diameter (d)	ORDERING REFERENCES		
				PNP (positive switching)		
				NO	NC	NO + NC
		N°	mm			
•		6 – 8B-10	M12 x 1	HPM12Y/4309K	HPM12Y/43C9K	HPM12Y/4329K