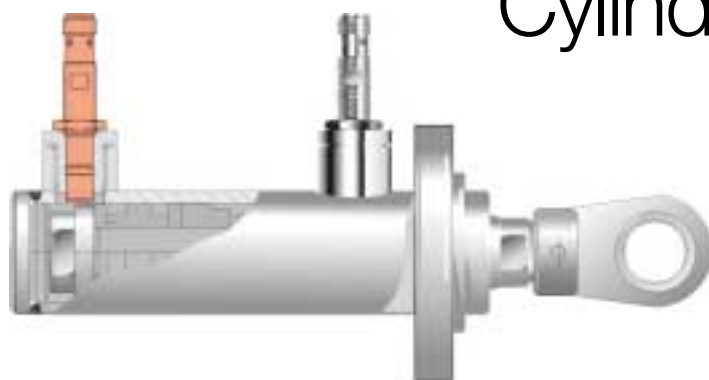




BALLUFF

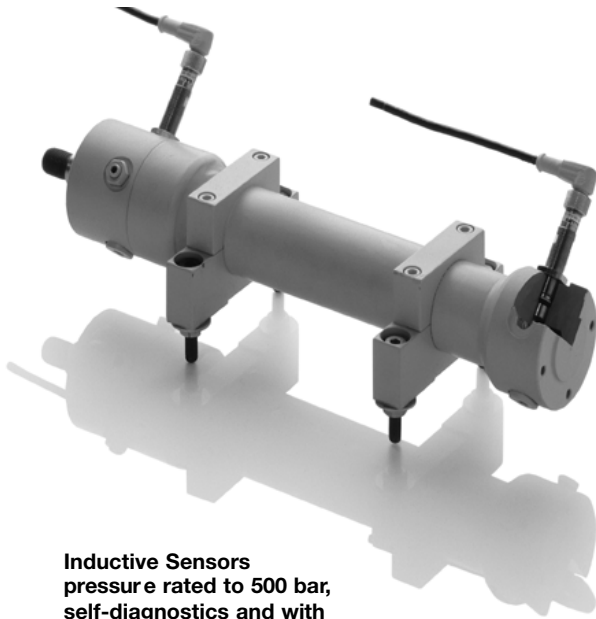
Inductive Sensor
High Pressure Rated + Diagnostics
for Hydraulic
Cylinder-Positioning



diagnostic
high pressure rated

High Pressure Rated Sensors

DC 3-Wire
M12
 s_n 1.5 mm



Inductive Sensors pressure rated to 500 bar, self-diagnostics and with setup aid.

High-pressure rated inductive proximity switches are designed for sensing the piston position in hydraulic cylinders.

In such applications the active surface of the switch is subjected to high pressure in the cylinder interior.

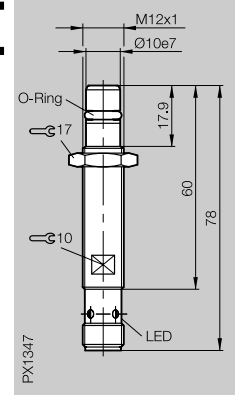
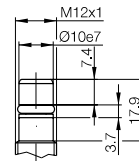
Balluff employs a special manufacturing technique for making the active surface able to withstand such conditions. The coils are molded in Duroplast. The additional diagnostic output monitors function

of the switch and presence of supply voltage. As long as the sensor is fully functional, a High-level signal is output.

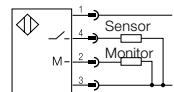
The optical setup aid guarantees optimal working distance. This ensures that the sensor operates reliably over the entire tolerance range. Flashing LED's indicate marginal range.

diagnostic high pressure rated

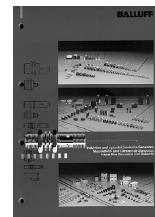
Housing size	M12x1
Mounting	flush
Rated operating distance s_n	1.5 mm
Assured operating distance s_a	0...1.2 mm



PNP	Normally-open	BES M12EL-PSC15B-S04G-HM01
Rated operational voltage U_e	24 V DC	
Supply voltage U_b	10...30 V DC	
Voltage drop U_d at I_e	≤ 3.7 V	
Rated insulation voltage U_i	75 V DC	
Rated operational current I_e	200 mA	
Minimum operating current	3 mA	
No-load supply current I_o d./und.	≤ 7 mA/ ≤ 10 mA	
Off-state current I_r	≤ 80 μ A	
Protected against polarity reversal	yes	
Short circuit/overload protected	yes/yes	
Load capacity	≤ 0.5 μ F	
Repeat accuracy R	≤ 5 %	
Ambient temperature range T_a	-25...+70 °C	
Frequency of operating cycles f	800 Hz	
Utilization categories	DC 13	
Function indication	yes	
Degree of protection per IEC 529	IP 68 acc. BWN Pr. 20	
Housing material	1.4104	
Material of sensing face	epoxy	
Connection	connector	
Recommended connector	BKS-S 19/BKS-S 20	
O-ring/replacement part number	5.85 x 2.4/636594	
Support ring/replacement part number	SRA 10-2.05-1.0/705918	
Fluid pressure rated to	500 bar	



See our other sensors in the main catalog, on CD-ROM or online!



<http://www.balluff.de>
<http://www.balluff.com>

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