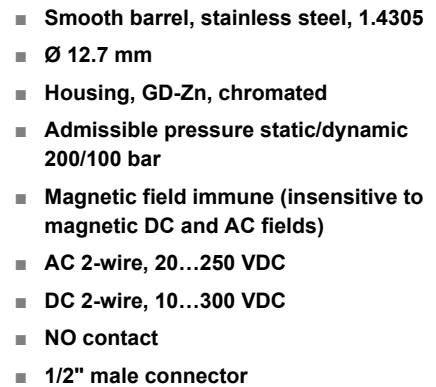




Inductive sensors detect metal objects contactless and wear-free. For this purpose they use a high-frequency electromagnetic AC field that interacts with the target. The sensors hosting a ferrite core coil generate the AC field through an LC resonant circuit.

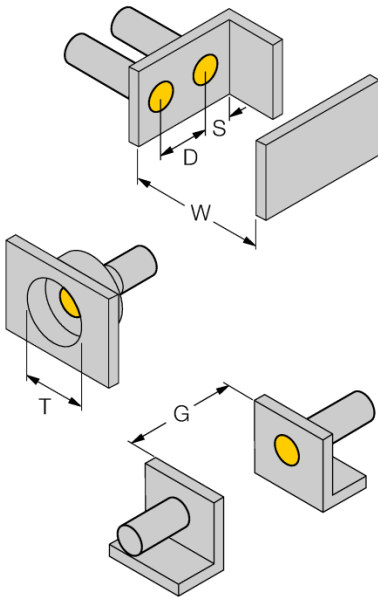
3rd Edition • 2019-02-08T08:00:31+01:00

Inductive sensor

For high pressures

BI2-CRS260-ADZ30X2-B3131/S34

Distance D	2 x B
Distance W	3 x Sn
Distance T	3 x B
Distance S	1.5 x B
Distance G	6 x Sn
Diameter active area B	Ø 12.7 mm



The mounting receptacle and the O-ring supplied with the sensor are approved for high static and dynamic pressure. To ensure that the application is pressure-resistant, the mounting surface must also be designed accordingly.

Ensure that the mounting surface is dry and free of dust during installation. Please also consider that oil can be displaced from the hydraulic system when the sensor probe is introduced, in which case the mounting surface will be moistened. Should this occur, a proper seal will not be established.

Recommended clearances:

0.64...1.19 mm to the hydraulic cylinder end position buffers being detected to allow for tolerances and wear.
>2.8 mm to the hydraulic cylinder piston rod to ensure that the sensor output switches off.