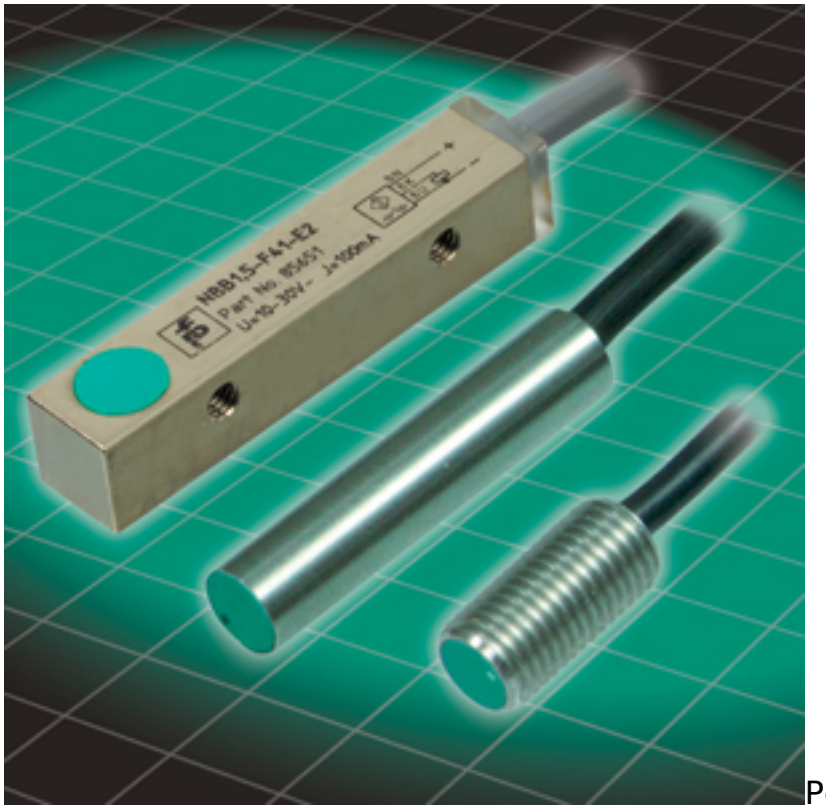
Inductive sensors range in frequency up to 10 KHz



Pepperl+Fuchs has added new short cylindrical barrel and square profile models to its NBB family of inductive sensors. These flush-mount sensors deliver sensing ranges up to 1.5mm and switching frequency up to 10 KHz in temperatures ranging from -25 degrees to +85 degrees C (-13 to 185 degrees F). Their compact size and reliable operation make them an ideal sensing solution in space restricted machine mounting applications where super-fast switching speeds are necessary.

Just 8mm in diameter, NBB1.5-8GM16-E2 short barrel sensors are available in PNP normally open [1] and normally closed [2] models. NBB1.5-6,5S16-E2 [3] short barrel sensors feature a 6.5 mm smooth barrel and operate in PNP normally open mode. These short barrel models feature a super short and robust 16 mm cylindrical stainless steel housing for reliable operation in space restricted mounting locations. They deliver a 1.5 mm nominal sensing range with switching frequency of 6000 Hz.

NBB0,8-F141-E2 [4] square profile inductive sensors feature a 25mm long brass, nickel-plated housing with a 5mm square profile. They deliver a 0.8 mm nominal sensing range and switching frequency of 10 KHz.

Pepperl+Fuchs is a world leader in the design, manufacture and application of high quality factory and process automation products and services. Pepperl+Fuchs pioneered the development of proximity sensors 50 years ago, and has set the standard for innovation and quality ever since.

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http://www.ecnmag.com/product-releases/2013/01/inductive-sensors-range-frequency-10-khz

Links:
[1] http://www.pepperl-fuchs.us/usa/en/classid_143.htm?view=productdetails&prodid=50562#overview
[2] http://www.pepperl-fuchs.us/usa/en/classid_143.htm?view=productdetails&prodid=51075%23overview
[3] http://www.pepperl-fuchs.us/usa/en/classid_143.htm?view=productdetails&prodid=50564
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