

electronic cylinder switch robust metal housing



description

On automatic machines, there is often the requirement that a switching signal must be received at certain piston positions of a pneumatic cylinder. Here, magnetic cylinder sensors are used.

These magnetic sensors are used for contactless and wear-free position detection in control technology. They are used everywhere inductive sensors are pushed to their limits.

Compared to inductive sensors, magnetic cylinder sensors offer a considerably higher switching distance yet still have a small design.

Because magnetic fields penetrate all non-magnetizable materials, the sensors are able to detect magnets through, e.g., walls made of non-ferrous metal, stainless steel, aluminum, plastic or wood.

The electronic cylinder sensors can be used on all cylinders from leading manufacturers (Bosch, Festo, Norgren Martonair, Numatics) and are directly interchangeable with reed switches that use three-wire system technology.

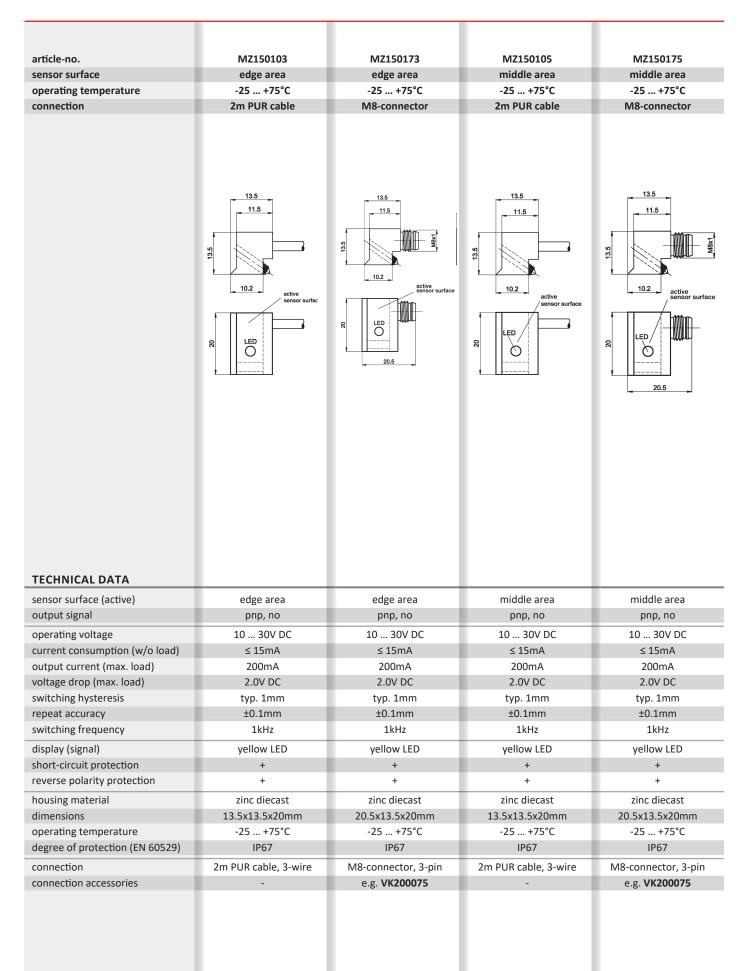
application examples

- position detection of a cylinder piston
- end position sensing

MAGNETIC SENSORS

IPF ELECTRONIC

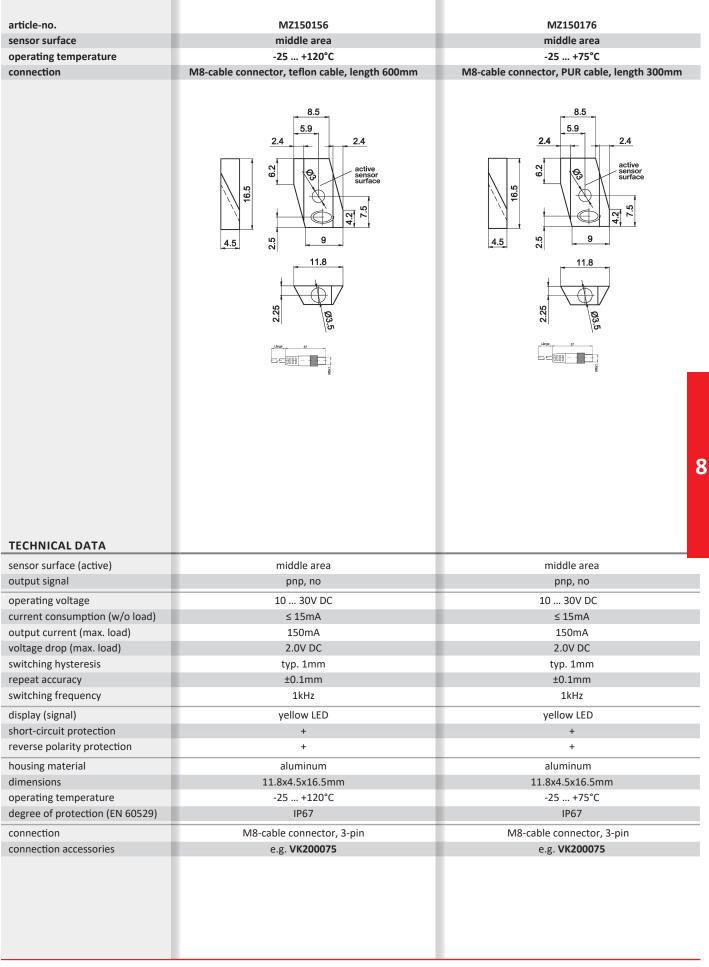
1900 CYLINDER SENSORS





MAGNETIC SENSORS

CYLINDER SENSORS 1900



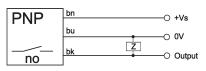
MAGNETIC SENSORS

1900 CYLINDER SENSORS



connection

cable device

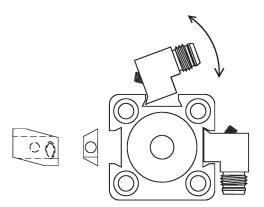


wire colors: bn = brown (1), bu = blue (3), bk = black (4)

connector device



mounting



This data sheet only contains the available standard variants. For other output / connection variants, we kindly ask that you contact us.

We are happy to supply the right cable socket for the plug equipment. You will find a list in the "accessories" section of the catalog under **ipf**-SENSORFLEX® "cable sockets" or in the search window on our homepage www.ipf-electronic.com (using the search term "VK").

Warning: Never use these devices in applications where the safety of a person depends on their functionality.

This data sheet as well as your personal contact can be found at www.ipf-electronic.com