INNOVATIVE SENSOR
FOR END POSITION DETECTION

- Easy assembly / handling
- Retrofittable for solenoid systems 012/032 on 2/2-way valves
- Compact and robust construction
- Long service life due to high-quality stainless steel housing
- Wear-free
- Suitable for temperatures up to 80 °C
- Low power consumption required
- Visual detection of the end position by an integrated LED in the enclosed plug
- For short strokes
- Currently only available for NC systems, NO version in preparation

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EASY TO RETROFIT

For many applications it is essential that the user is certain whether the valve has switched or not. Such end-position sensing is usually solved with reed-contact switches. However, this solution is often very large, clunky and also expensive. A lot of effort is done to seal as much of the surface area as possible. This results in a loss of magnetic field, which impairs the valve function. So, retrofitting valves that have already been delivered is only possible with considerable effort.

The GSR end position sensor, on the other hand, can be easily retrofitted to existing valves. It is currently available for the GSR DC solenoid systems .032 NC and .012 NC. Other solenoid systems are in preparation, e. g. an explosion-proof version. In complete assembly with valve, the sensor is also available as option 6H.

The inductive sensor for end position detection offers maximum reliability in industrial applications. It works contactless and therefore wear-free.

End-position sensors are used in control systems, in the chemical industry, in shipping and in processing machines.

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FUNCTIONAL PRINCIPLE

The sensor is mounted instead of the fastening nut on the tube and connected by a M12x1 5-pin connector with integrated LED display. Then it is already ready for operation. Alternatively, a standard plug or a plug with cable can be used.

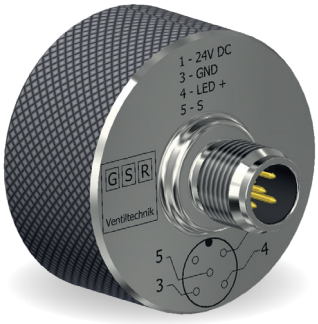
The sensor detects the magnetic field. When the armature moves, the magnetic field changes and the sensor detects when the valve has switched. The LED display integrated in the plug shows successful switching.
In this way, the user can be sure that the valve is working reliably.

NOTICE

The end position indicator signals as soon as the solenoid armature is in contact with the opposite pole. To ensure switching accuracy and switching reliability, the rated current of the solenoid coil must be applied constantly.

TECHNICAL DETAILS

Electrical solenoid:	Suitable for solenoid system .032 NC and .012 NC
Body material:	Stainless steel 1.4301 / 1.4105
Supply voltage:	12-24 V DC
Ambient temperature:	-40 °C to +80 °C
Electrical connection:	M12 x 1/ 5-Pin
Thread / connection:	G1/8 (more on request)
Protection class:	IP65 acc. to DIN EN 60529
Option:	LED plug incl. 3m cable , standard plug with 2m cable or only a plug to wire yourself



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