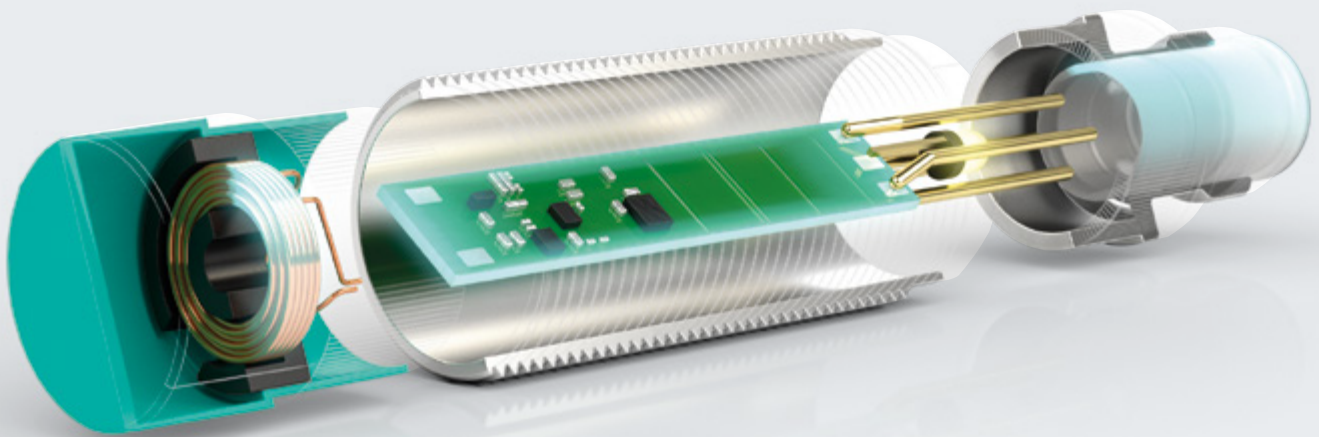
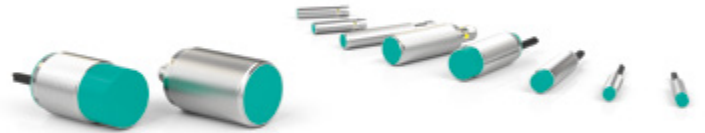


The Original.

Inductive sensors in more than 200,000 configurable versions for 100 % performance.

The standard portfolio of cylindrical designs



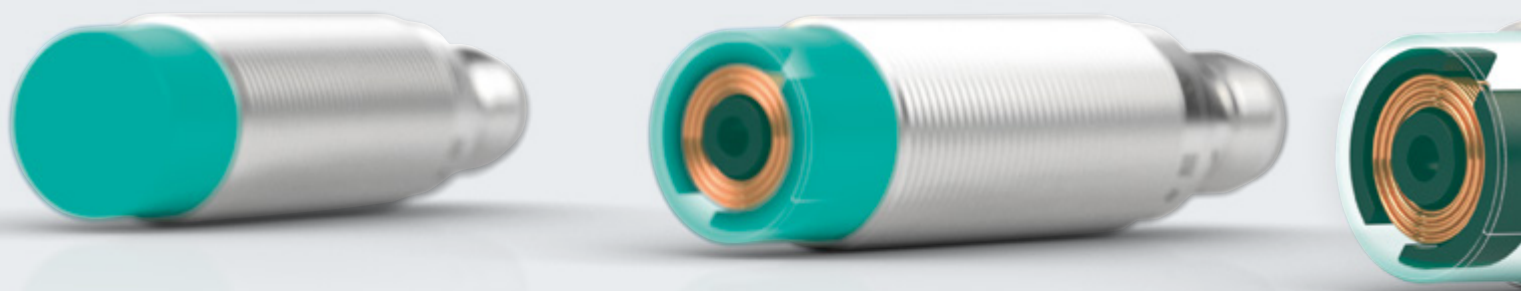
Your automation, our passion.

 **PEPPERL+FUCHS**

Inductive Sensor Technology. The Original.

Committed to Tradition: A New Pioneering Achievement in Inductive Sensor Technology

With the invention of the inductive proximity sensor, Pepperl+Fuchs made a revolutionary contribution to the development of automation technology. The fact that this proven technology still offers great potential for the future is demonstrated by the latest development: a mature portfolio that is unique in terms of its variety, offering the perfect solution for every application.



Best Practices in Installation and Integration

The biggest advantage of Pepperl+Fuchs' decades of experience as a technology leader is that the company strives for technical perfection. Throughout the development stages, Pepperl+Fuchs carried out extensive quality tests, going far beyond the level customary in the rest of the market, on every detail of its inductive standard sensors. All of the mechanical and electrical properties of the sensors have been perfected, providing customers with a range of technologically outstanding products, which are easy to install and can be seamlessly integrated into the customer's application.

The result of such continuous and in-depth product development is a powerful standard portfolio of inductive cylindrical sensors that are absolutely reliable at all times—over the entire range of their specification, even at the limits of the threshold range, and under extreme conditions. This means that every user is perfectly prepared for even the most demanding requirements.



Highlights

- Complete portfolio ensures an optimal sensor solution for every application
- Modular, configurable sensor for simple installation and seamless integration
- Customer-specific adaptations tailored to individual applications

State-of-the-Art: The Best of More Than 200,000 Versions

Personal, collaborative communication with customers is essential for providing products of high quality—as is in-depth knowledge of a variety of internal applications. The combination of this expertise and specific advice provides users with outstanding technical solutions that perfectly support the application. It is the foundation of a comprehensive portfolio used to customize a configuration of sensors.

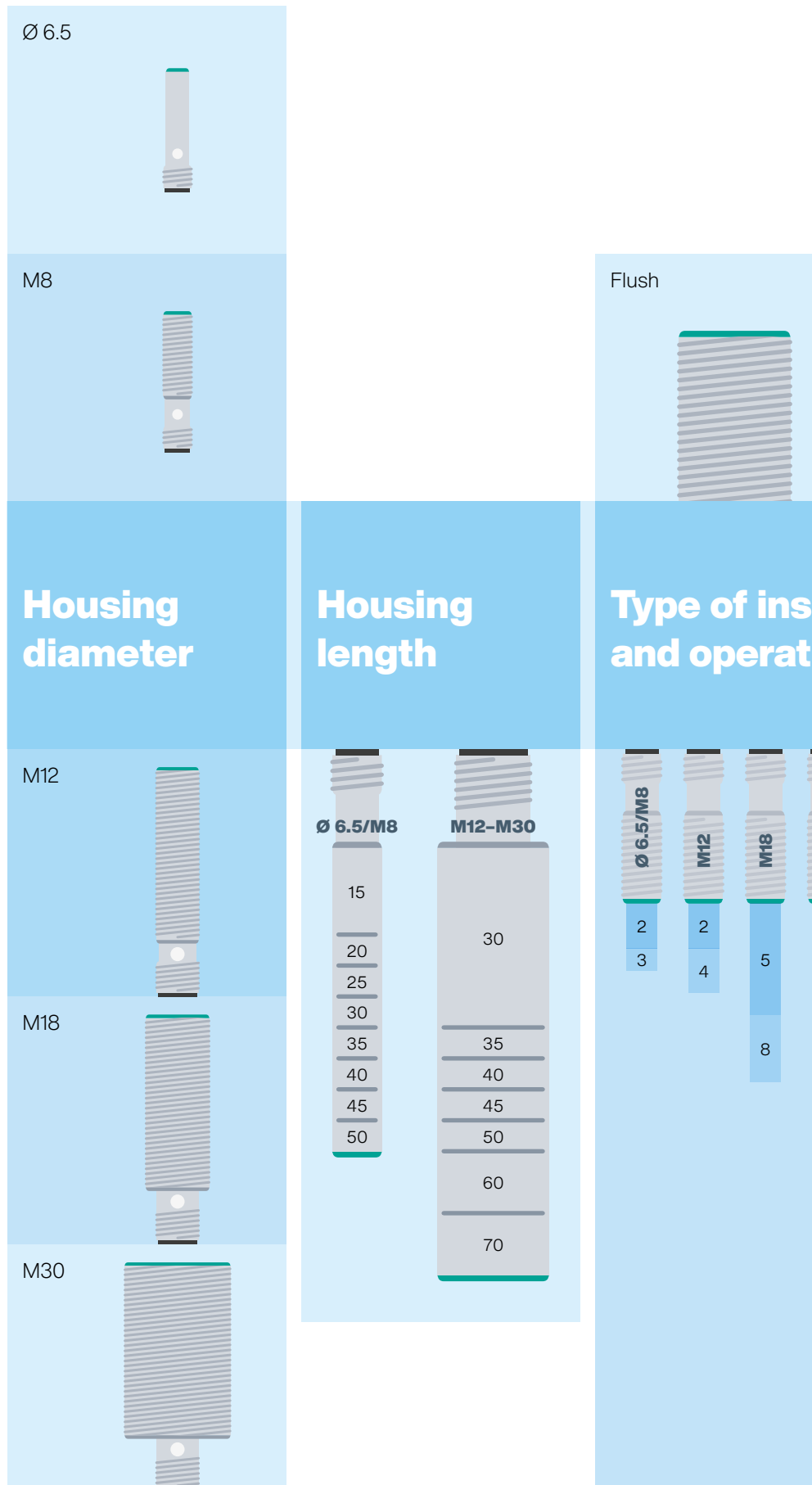
For more information, visit
pepperl-fuchs.com/pf-inductive-original



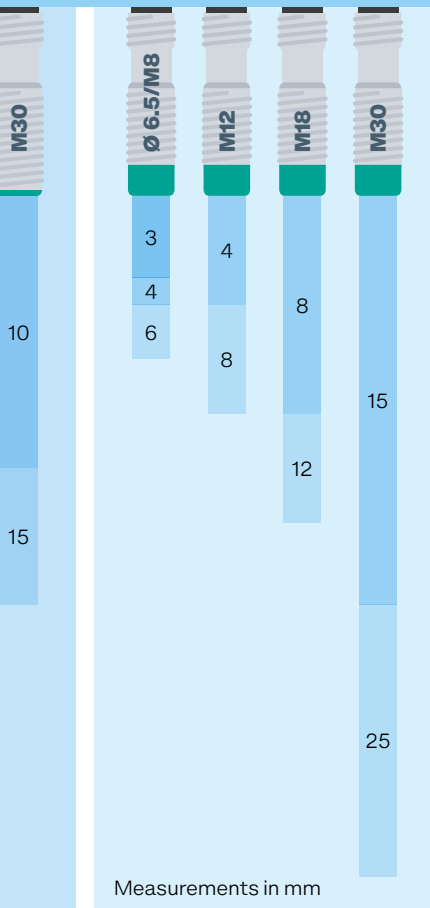
Individuality: The Key to Success

For users looking to configure the ideal 3- or 4-wire sensor, a variety of options are available, all of which can be combined flexibly. These options include not only the diameter and length of the housing, but also the type of installation, the operating distance, and the type of connection.

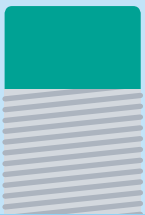
Nevertheless, some customer applications are so specialized that the perfect solution cannot be found even in the range of over 200,000 configurable versions. This is when our specialists develop a tailor-made product based on close consultation with the customer. This collaboration creates a unique sensor providing the highest level of performance, which can then be seamlessly integrated into the customer's application.



Installation mounting distance



Non-flush



3-wire PNP or NPN,
normally closed

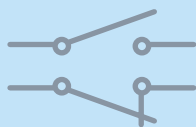


3-wire PNP or NPN,
normally open

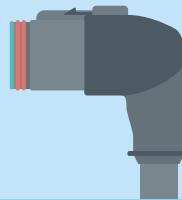


Electronic output

4-wire PNP or NPN,
complementary



Fixed cable with customized
plug (assessment required)



Connection type

PUR or PVC fixed cable of
any length (standard: 2 m)



M8 plug



M12 plug



Color-neutral customization
of plastic parts

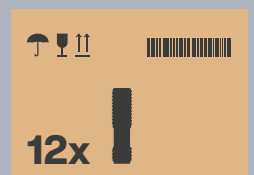


Custom lettering



Custom options

Custom packaging,
multipacks



Accessories, e.g.,
supplied nuts



Inductive Sensor Technology. The Original.

The New Standard: Technical Perfection and Limitless Possibilities

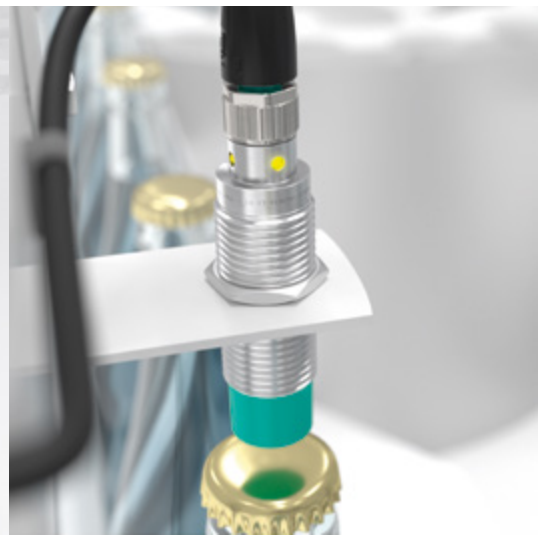
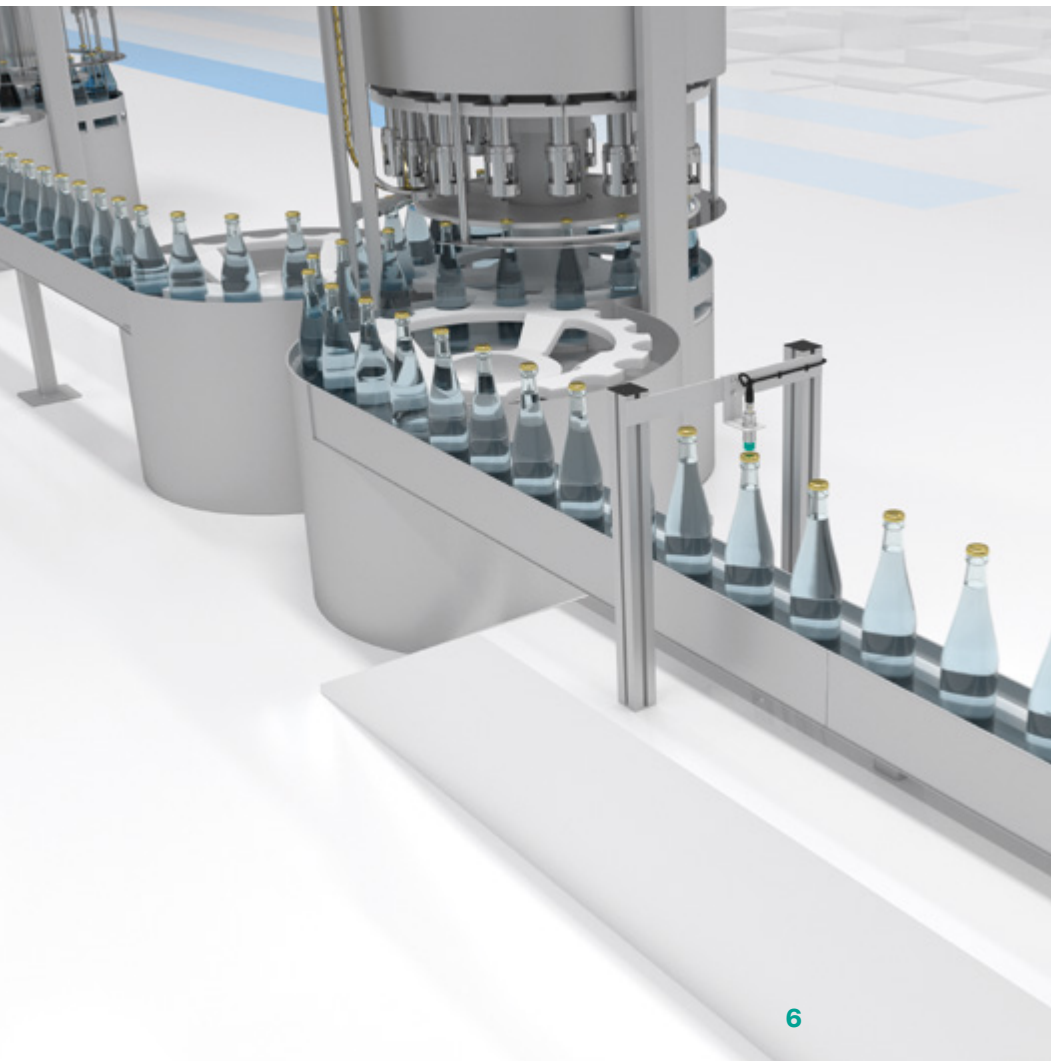
Anyone who opts for inductive sensor technology from Pepperl+Fuchs is choosing products with outstanding technical characteristics. These characteristics ensure that Pepperl+Fuchs products function reliably and guarantee trouble-free processes—across a large variety of industries and applications.

Performance Is in the Detail

The new standard portfolio is characterized by a whole range of intelligent features. That makes installation and operation easy, safe and convenient. The use of new end caps for fixed-cable versions means that the sensor LED is now visible from all angles. The switch state is easily recognized simply by looking at the sensor—even during operation. Standardized M12 connectors or fixed cables make installation quick and straightforward.

The assembly process has been optimized to make integrating the sensors as efficient and easy as possible for the user. Everything has been thought of—from locking systems and mounting to quick hot swapping.

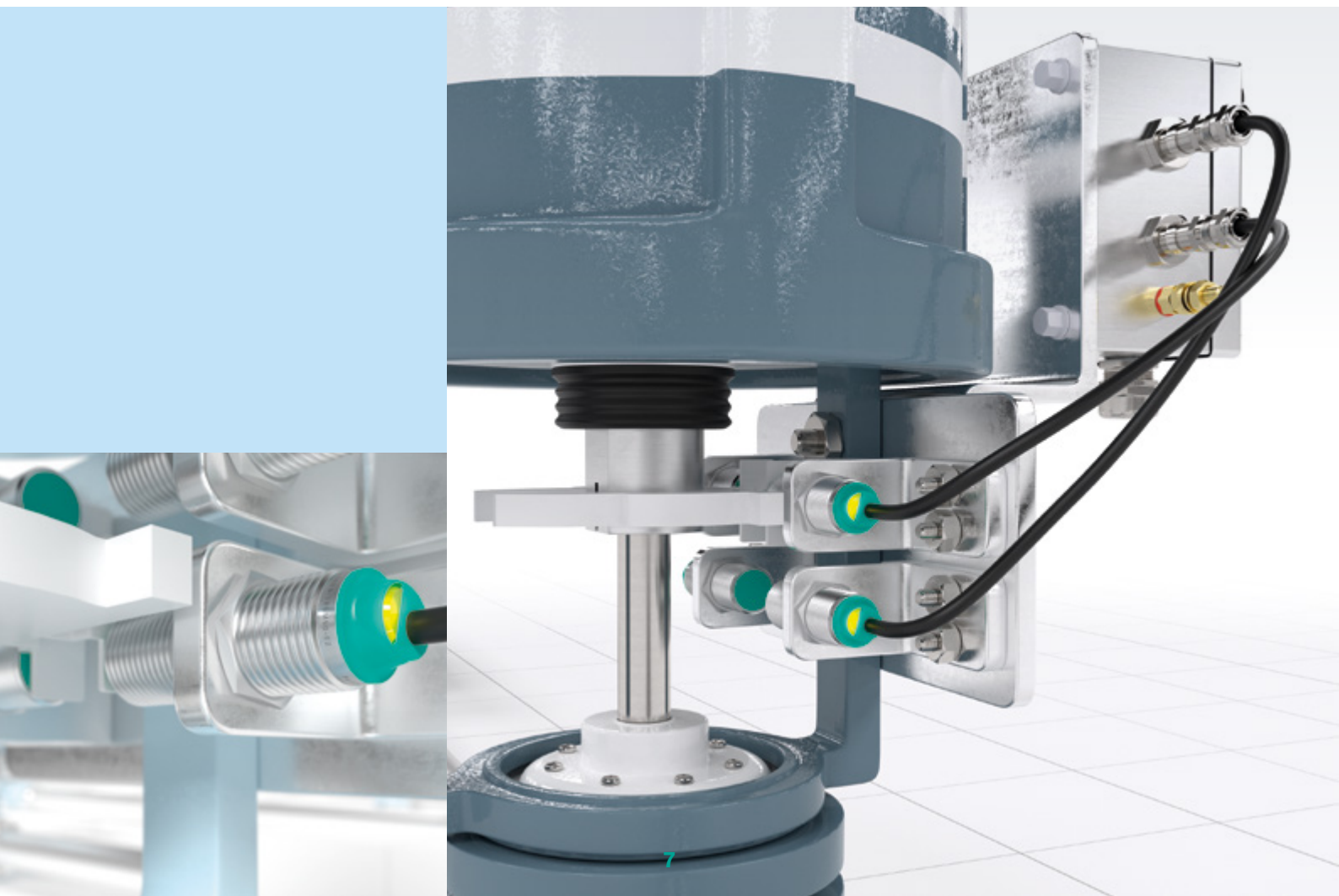
When it comes to process reliability, the new standard sensors not only impress in terms of performance, but also in terms of robustness: the white bronze housing coating provides increased chemical resistance and reliable corrosion protection without affecting the sensor behavior.



A Win-Win for Automation Users

No other technology is as versatile and unique as the new portfolio of inductive cylindrical proximity sensors from Pepperl+Fuchs. For example, in the beverage industry, the sensors are used to check the presence of metal closures such as crown caps, and must reliably identify waste at an early stage—even at the highest speeds. Due to the very high switching frequency, the new sensors offer completely reliable object detection when used in high-speed applications. In contrast, the requirements in chemical plants are quite different. Here, the sensors are used for monitoring valve

positions, such as for flow control, where sensors monitor whether a valve is open or closed. In this case, using two proximity sensors for a single target can even allow users to create the required redundancy for safety-critical applications.



Your automation, our passion.

Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus Infrastructure
- Remote I/O Systems
- Electrical Explosion Protection Equipment
- Purge and Pressurization Systems
- HMI Systems
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Vibration Sensors
- Industrial Ethernet
- AS-Interface
- IO-Link
- Identification Systems
- Displays and Signal Processing
- Connectivity

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