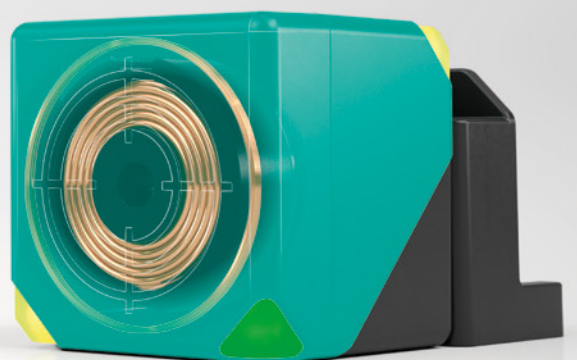


**Improving technology.  
Ensuring stability.  
Experiencing reliability.**

Proximity Sensors  
VariKont with Active Shielding Technology



Your automation, our passion.

 **PEPPERL+FUCHS**

# The Most Reliable Sensing Solutions— Directly from the Inventor


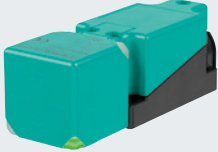
As the inventor of the proximity sensor, Pepperl+Fuchs has continually developed and perfected this noncontact, wear-free technology. The VariKont inductive sensor with Active Shielding Technology ensures consistently high switching distances, no matter the installation situation or material.

## Quality and Safety beyond the Standard

Reliability, process safety, and the highest quality standards—this is what Pepperl+Fuchs proximity sensors have stood for since their invention in 1958. As a pioneer in sensor technology, we are committed to providing our customers with unrivaled quality and service. Based on decades of market experience, we are always looking to the future: our goal is to continuously develop technologies and add new products to our portfolio that are perfectly suited for the requirements of your unique application.

## Designed for Flexibility

VariKont inductive sensors feature increased switching distances of 30 mm flush and 50 mm non-flush. Both sensor versions are easy to install and enable object detection at long distances. This means more flexibility in system planning and simultaneous cost reduction.

Excerpt of technical data	VariKont L2	VariKont
		
Operating distance	30 mm, flush 50 mm, non-flush	
Operating voltage	10 ... 30 V DC	
Switching element function	Normally-open/normally-closed/complementary	
Output type	NPN or PNP	
Temperature range	-25 ... 70 °C	
Degree of protection	IP68/IP69	
Dimensions	40 x 40 x 67 mm	40 x 40 x 118 mm
Connection	M12 connector plug	Terminal box

## Highlights

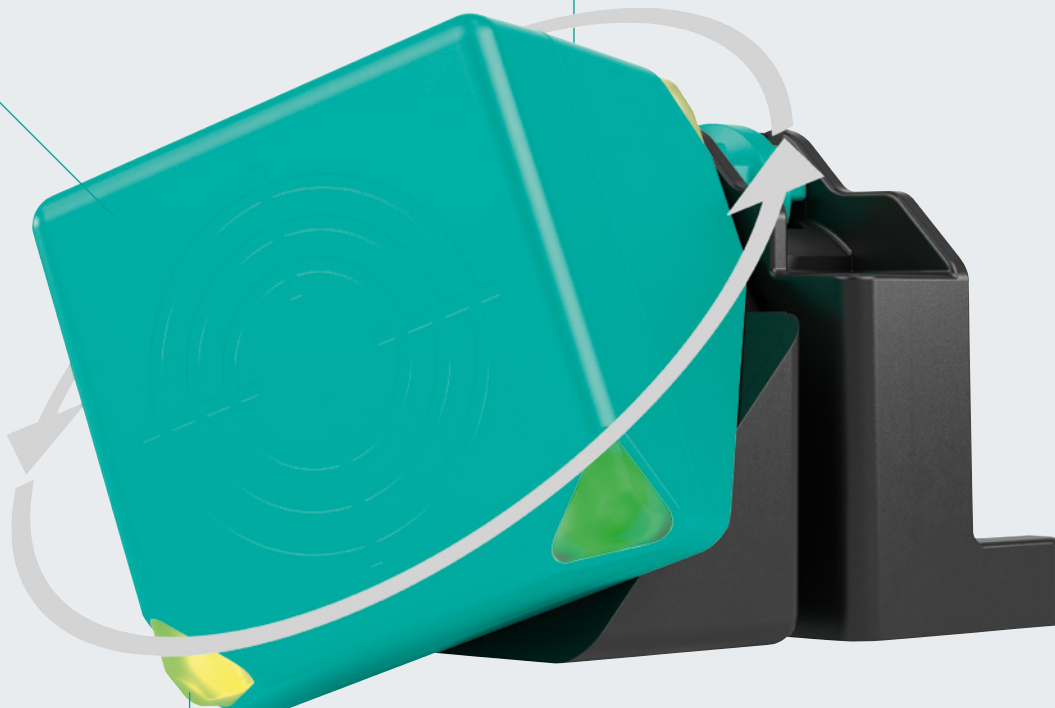
- Active Shielding Technology ensures high switching distances, no matter the installation situation
- More flexibility: switching distances up to 30 mm (flush) and 50 mm (non-flush) for easier equipment design
- Convenient status monitoring via high visibility corner LEDs
- Adjustable sensor head for quick and easy installation
- Meets the highest standards: internal quality testing goes above and beyond the requirements of target industry machine applications

### Easy to Install

User-friendly, tool-free mounting and an adjustable sensor head for perfect positioning in any installation situation.

### Long Service Life

The sensors with wear-free technology and high EMC are resistant to external influences and mechanical loads.

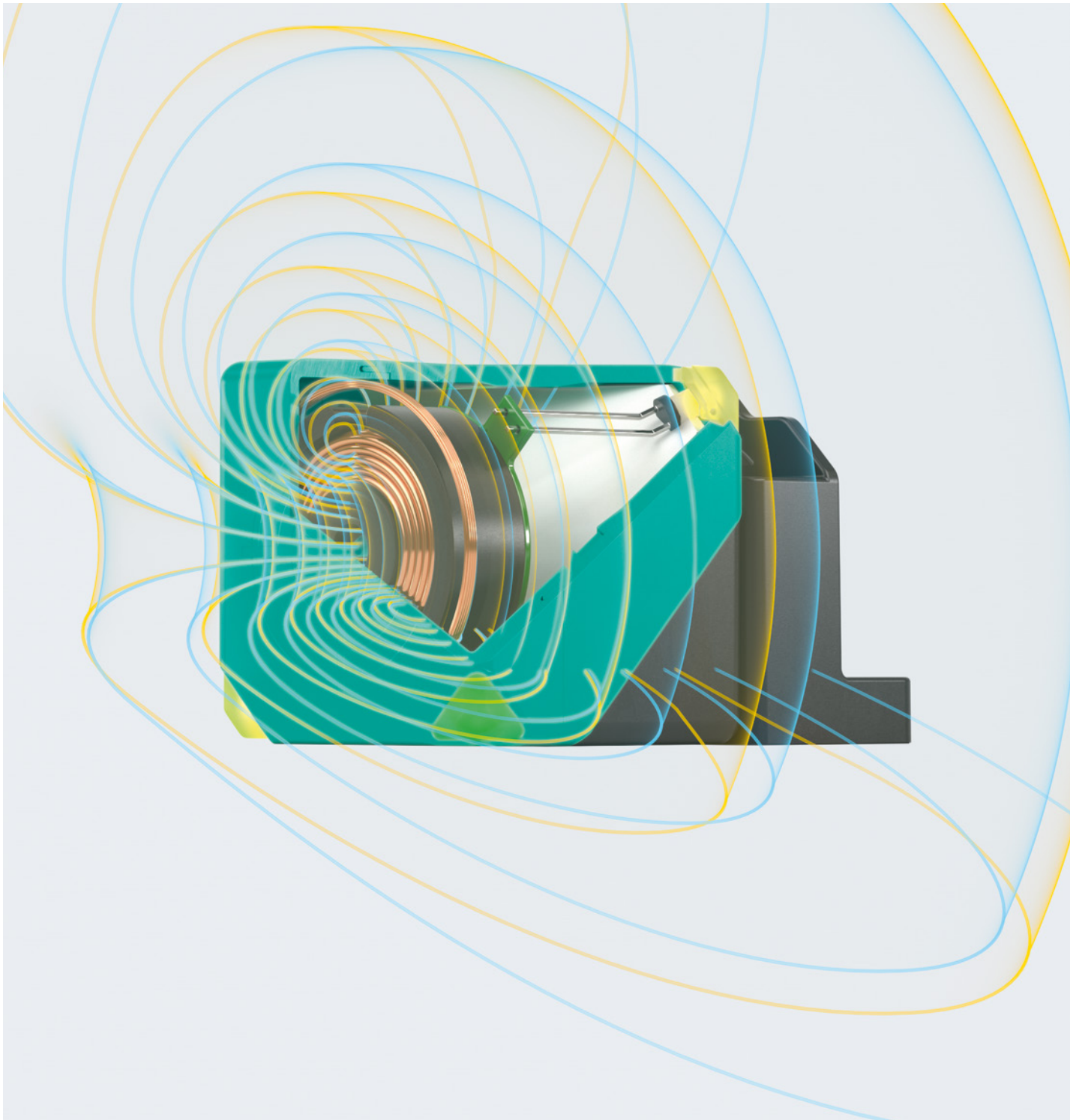
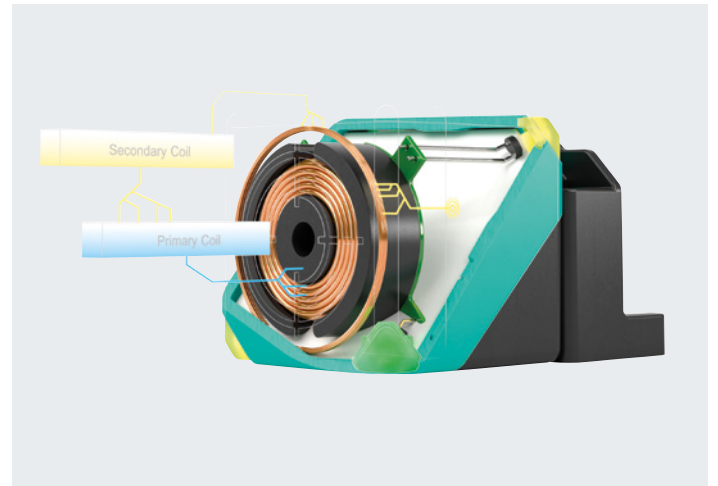


### Simplified Status Monitoring

High visibility corner LEDs enable status monitoring anytime and anywhere.

### Additional Coil Compensates for Ambient Conditions

The VariKont and VariKont L2 sensors are equipped with a primary and secondary coil. Much like other sensors, the primary coil is used to detect the target. The secondary coil, on the other hand, measures the sensor environment—the installation and the material surrounding it. This information is used to immediately compensate for ambient conditions.





Active Shielding  
Technology



### The Right Solution for Every Environment

Unlike conventional sensors with increased switching distances, VariKont series sensors with Active Shielding Technology have identical switching distances in every installation situation. Different installation materials have no influence on the switching distances, and no technical measures must be taken to keep them consistently high. Compared to competitor solutions with increased switching distances, even the  $-25\text{ }^{\circ}\text{C}$  to  $+75\text{ }^{\circ}\text{C}$  operating temperature remains unchanged—no matter the installation situation!

For more information, visit:  
[www.pepperl-fuchs.com/pf-varikont-activeshielding](http://www.pepperl-fuchs.com/pf-varikont-activeshielding)



# Your automation, our passion.

## Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus
- Remote I/O Systems
- Electrical Ex Equipment
- Purge and Pressurization
- Industrial HMI
- 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
- Fieldbus Modules
- AS-Interface
- Identification Systems
- Displays and Signal Processing
- Connectivity

### Pepperl+Fuchs Quality

Download our latest policy here:

[www.pepperl-fuchs.com/quality](http://www.pepperl-fuchs.com/quality)

