# **Press Release**

# **Everything in view**

The new 36 sensor series from Leuze detects objects even at large operating ranges. Manufacturers and operators of highly automated systems benefit from the cost-optimized design of these sensors.

*Owen (Germany), April 7, 2022 –* The accurate detection of objects requires reliable technology: Leuze has developed the new 36 sensor series exactly with this in mind: Thanks to their perfect detection performance, these sensors are suitable for the demanding requirements in intralogistics, packaging systems and the automotive industry. They detect objects with different optical properties – even at a great distance, with vibration, ambient lighting or soiling. The advantage for system manufacturers and operators: The cost-optimized 36 series is an economically attractive solution, especially in the case of highly automated systems with a large number of sensors.

**Flexible implementation**

Leuze offers the sensors, which are certified to protection class IP67, with different operating principles: They are available as sensors with background suppression (with an operating range of up to 2.5 meters), as retro-reflective photoelectric sensors (up to 17 meters) or as throughbeam photoelectric sensors (up to 80 meters). The high-performance sensor design provides an extremely high function reserve. This ensures that objects are reliably detected even if, for example, sources of interference are present. Users can also request retro-reflective photoelectric sensors for detecting objects with depolarizing properties, e.g. for film-wrapped pallets. The sensors of the 36 series therefore cover an enormous range of applications.

**Choice of connections**

The sensors are available both with M12 connection sockets and with different ready-made connection cables as well as matching mounting accessories. This means that integration is always guaranteed, even in existing systems. In addition, all common switching logics are also supported: NPN and PNP switching as well as light and dark switching.

Characters: approx. 1,962   
A file copy is requested.  
Interviews gladly arranged on request.

**Pictures**

  
Figure 1: The new Leuze 36 series sensors convince with their outstanding reliability in detecting objects – even in the case of challenging applications.



Figure 2: Conventional retro-reflective photoelectric sensors often detect film-wrapped pallets unreliably. The reason for this is the depolarizing property of the tensioned film. Thanks to its special optics, the new Leuze 36 series retro-reflective photoelectric sensor masters this challenge without problem.



Figure 3: In the food industry, identical products are generally bundled into larger packages. Owing to their extremely high function reserves, the Leuze 36 series retro-reflective photoelectric sensors also detect changing packaging units reliably.

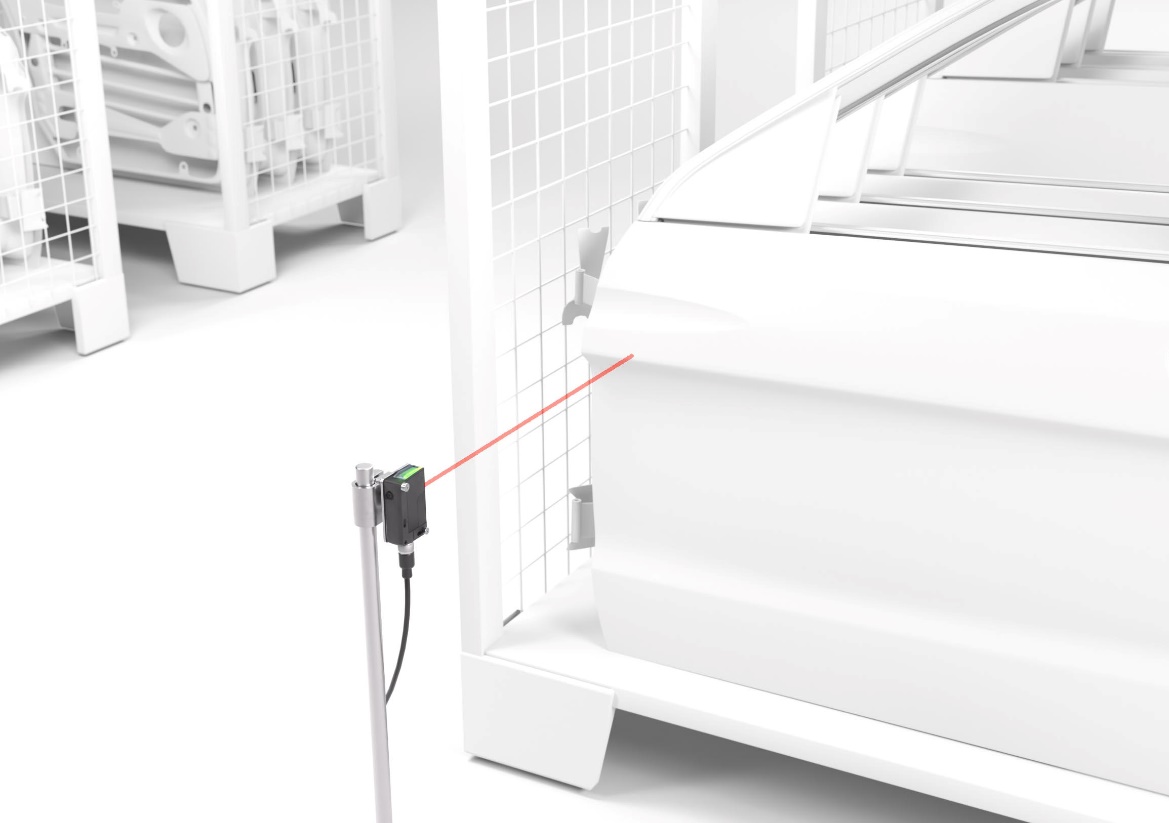


Figure 4: Different mounting materials require sensor systems that function reliably and can also be integrated flexibly. With sensors of the 36 series, users are always on the safe side.

*With curiosity and determination, the Sensor People from Leuze have been creating innovations and technological milestones in industrial automation for more than 50 years. They are driven by the success of their customers. Yesterday. Today. Tomorrow. The technology leader’s high-tech product range includes a number of different sensors for the field of automation technology. Among these are switching and measuring sensors, identification systems, and data transmission and image processing solutions. As a Safety Expert, Leuze is also focused on components, services and solutions for safety at work. Leuze concentrates on its core industries, in which the Sensor People have extensive, specific application know-how and many years of experience. These include intralogistics and the packaging industry, machine tools, the automotive industry as well as laboratory automation. Leuze was founded in 1963, headquartered in Owen/Teck in Southern Germany. Today there are more than 1400 Sensor People around the world who are working with determination and passion for progress and transformation to make their customers successful in a constantly changing industry. Regardless of whether in the technological competence centers or in one of the 21 sales companies, supported by more than 40 international distributors.* [www.leuze.com](http://www.leuze.com)

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