# **Press Release**

# **Cost-effective presence control**

Highly economical: The new 5B sensor series from Leuze detects objects extremely reliably and cost-effectively. At the same time, the sensors convince with their easy handling.

*Owen, August 11, 2023 –* Sensors for presence control in intralogistics, packaging processes or the automotive industry often have to fulfill several requirements: they need to detect objects reliably, they must be easy to install and, above all, must be cost-effective. This is why Leuze has developed the new 5B sensor series. They convince with their flexible handling and offer high level of cost effectiveness. These are often decisive arguments in cases where a system requires a large number of sensors. Leuze offers the sensors as retro-reflective photoelectric sensors, throughbeam photoelectric sensors and diffuse sensors. The 5B series is certified to degree of protection IP 67 and ECOLAB.

**Fast alignment and startup**

With their compact housing (11 x 32.4 x 20 millimeters; W x H x L), the sensors are ideal for situations with limited installation space. As a result, they can be installed close to conveyor lines, for example. Furthermore, the 5B series is compatible with the predecessor series in terms of mounting. This makes modernization easier. The metal inserts with M3 thread also contribute to easy installation. Configuration is simple too: Thanks to the user-friendly potentiometer, system operators can quickly adjust the sensors and adapt them to changing conditions at any time. The homogeneous and clearly visible light spot makes the sensors easy to align. Various electrical connection options, e.g. by cable, M8 connector or pigtail, help maximize flexibility. A further advantage with regard to installation and status display is the 360° visible LED indicator.

**Also detects glossy objects**

The 5B series sensors reliably detect even depolarizing objects such as reflective, shrink-wrapped or glossy objects. The throughbeam photoelectric sensors operate at a switching frequency of up to 900 Hz and thus offer a high performance and function reserve. The operating range of this model is up to 15 meters, and up to 6.5 meters in the case of the retro-reflective photoelectric sensors. The diffuse sensors operate with a switching frequency of up to 1000 Hz.

Last but not least, Leuze has also thought about protection against unwanted access: The light/dark switching of the switching output is possible in a tamperproof manner by means of the wiring.

Characters: approx. 2,499  
   
A file copy is requested.  
Interviews gladly arranged on request.

**Pictures**



Figure 1: The new 5B series from Leuze convinces with high cost-effectiveness in presence control at conveyor lines and in packaging systems.

Ein Bild, das Lampe, rot enthält.

Automatisch generierte Beschreibung

Figure 2: Mounting, alignment and adjustment is particularly easy with the 5B series sensors.

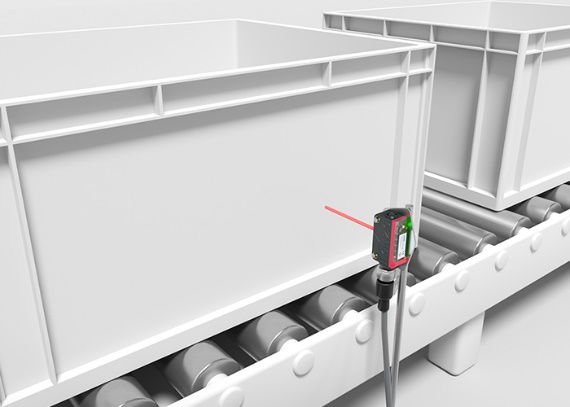


Figure 3: Thanks to their compact housing, 5B series sensors have very low space requirements and can thus be mounted directly on roller conveyors or conveyor lines.

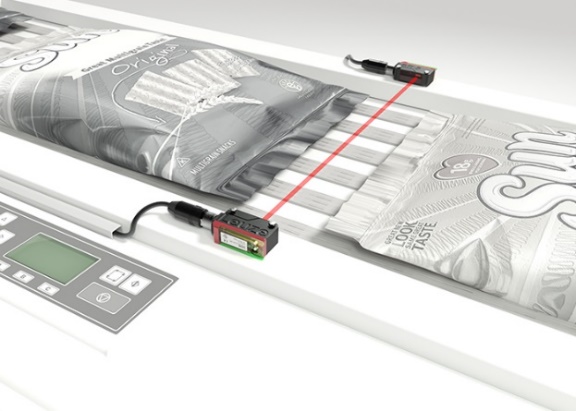


Figure 4: Throughbeam photoelectric sensors of the 5B series from Leuze have a very high function reserve. This enables reliable detection under demanding environmental conditions. They can also be installed horizontally at conveyor lines.

Ein Bild, das Design, Mobiliar, Bett, Im Haus enthält.

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Figure 5: The HT 5B diffuse sensor detects objects with a fast switching behavior of up to 1000 Hz. Background suppression of the sensors ensure that overfilled cartons are detected and removed reliably.

*With curiosity and determination, the Sensor People from Leuze have been creating innovations and technological milestones in industrial automation for 60 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 about 1600 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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