# Press Release

# Put into the right light

Many light types and a compact housing: The new KRT 3C contrast sensor from Leuze can be flexibly integrated into packaging processes thanks to its multicolor capability and small size.

*Owen, 23. April 2023 –* With the KRT 3C contrast sensor, Leuze is presenting the smallest contrast sensor it has ever made for the packaging industry. Plant operators benefit from a compact device that can be used in many different ways: The KRT 3C detects reliably and position-accurately even if there are only small contrast differences and with glossy surfaces or highly reflective materials. This is made possible by the multicolor functionality: red, green, and blue light as well as white and laser red light will not allow any object or printed label to pass through unnoticed. This allows users to select the right light source for any material and contrast mark color for their packaging and labeling processes.

**Tight space? No problem!**

The KRT 3C detects contrasts very precisely and reliably and with a short response time of only 50 µs (laser: 125 µs) and minimal signal jitter. This helps to achieve optimal machine throughput. Advantage in small spaces: With its small dimensions of 11 x 32 x 17 mm, the sensor is designed for tight installation spaces. This means it can be fitted almost anywhere. Users can easily setup the KRT 3C via the integrated IO-Link interface. This also speeds up product format changeovers.

**Really resilient**

The housing is robust: It meets degrees of protection IP67 and IP69K. The KRT 3C is also ECOLAB-certified. So it can even handle aggressive cleaning agents.

Characters: approx. 1,671  
Communication blocking until April 4, 2023

A file copy is requested.  
Interviews gladly arranged on request.

**Pictures**



Image 1: Because the emitted light color determines the reliability with which contrast markers are detected, the new KRT 3C contrast sensors from Leuze use three different light types. This allows customers to select the appropriate light source for each type of material and for each contrast marker color in packaging or labeling processes.

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Image 2: In the packaging industry, products are often packaged into tubular bags. Sensors detect the printed contrast markers and determine when the packaging film is cut. With the KRT 3C contrast sensors, this is always possible thanks to the multicolor functionality, even with materials with different color or gray value combinations.



Image 3: When things get tight, the compact size of the KRT 3C contrast sensor from Leuze is the right choice. The sensor reliably and highly precisely detects contrast markers of different colors even on round objects and different materials.

*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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