# Press Release

# Under the white light

The new Leuze contrast sensors of the KRT18B series work with white light and are optimized to detect markings on glossy films.

*Owen, May 6, 2022* - Reliably identifying markings on packaging, even if they are barely distinguishable from the background: Leuze has developed the new KRT18B series contrast sensors for this purpose, adding ten new models to its product range. The new sensors supplement the tried-and-tested RGB light solutions and give users additional options. What makes the new contrast sensors unique is that they use white light. This technology offers maximum reliability for glossy surfaces, no matter what the color of the marking is. This saves system operators time and effort when changing formats. RGB contrast sensors, on the other hand, do a better job at detecting markings on colorful films. Depending on the requirements, the customer can flexibly choose between the two models. Both systems detect equally well and offer a quick response time with minimal signal jitter.

**Dual operating concept**

The KRT18B series (RGB and white light) offers an innovative, dual operating concept: The sensor functions can be configured via IO-Link or via a manual sensitivity control by potentiometer or teach-in button. The model with IO-Link also enables the use of innovative machine concepts with remote maintenance, diagnosis, or sensor configuration. Three teach levels guarantee the perfect setup routine for every application. The compact housing meets the IP67 and IP69K degrees of protection. This means it is optimized for use in harsh environments with ECOLAB certification.

**Reliable even with fluctuating operating range**

The entire KRT18B contrast sensor product range (RGB and white light) is easy to control thanks to the continuous signal display by the bar graph on the rear of the housing. This enables flexible operating ranges of about 13 mm (±3 mm). So the sensor will continue to work reliably even if the operating range between the object and sensor fluctuates by about 20%.

Characters: approx. 2,075   
A file copy is requested.  
Interviews gladly arranged on request.

**Pictures**

   
Image 1: The new KRT18B white light contrast sensors from Leuze detect markings of different colors even on glossy backgrounds. Three teach levels guarantee the perfect setting routine for all applications.



Image 2: The KRT18B contrast sensors still work reliably even if the operating ranges fluctuate by up to 20%.

*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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