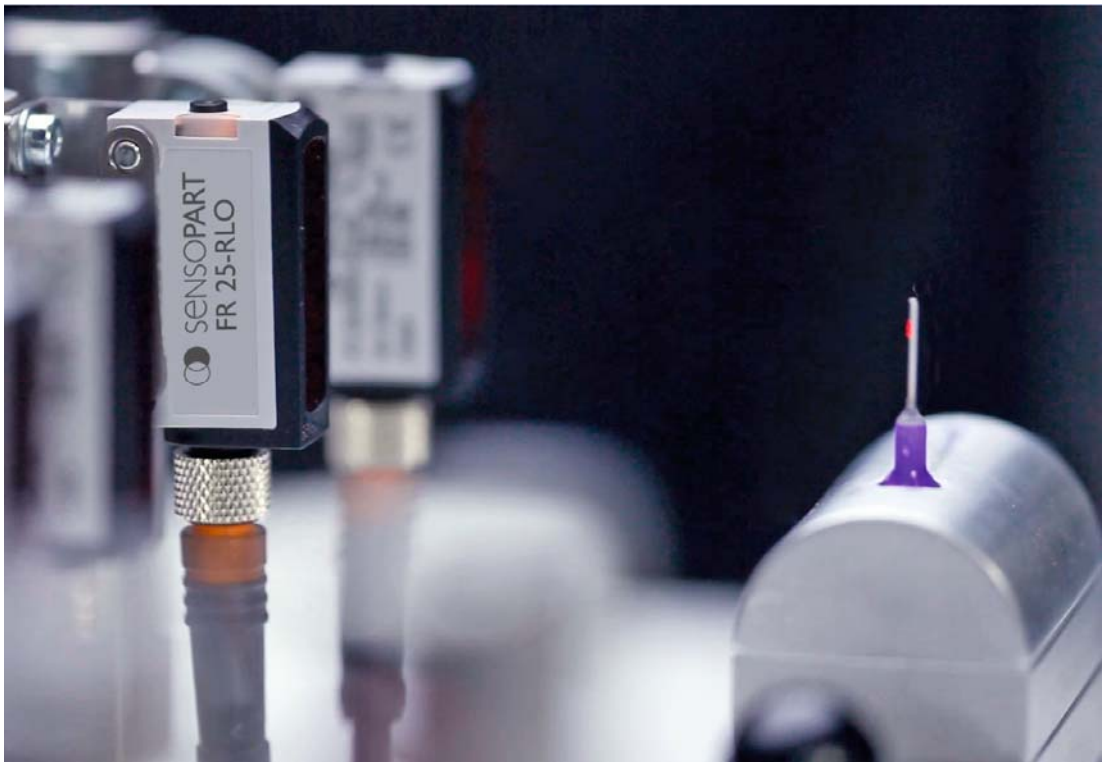
PRESS RELEASE

SensoPart Industriesensorik GmbH | Web: www.sensopart.com
Andrea Burkhard | Tel.: +49 7665 94769-743 | Email: presse@sensopart.de

A press release by SensoPart Industriesensorik GmbH, Gottenheim near Freiburg/Breisgau, Germany

Specialists in small part and leading edge detection: autocollimation light barriers from SensoPart



PR-Foto_sensopart_FR25_RLO.jpg

Gottenheim, November 2013 – SensoPart's new laser autocollimation light barriers are the latest additions to its F 25 and F 55 series of optical sensors. The FR 25/55-RLO sensors reliably detect small parts and leading edges, with no blind spots thanks to single eye optics – which means they can even look through bore holes.

In contrast to standard retro-reflective light barriers, beam transmission and reception occur on the same optical axis with autocollimation sensors. This is why there is no blind spot, i.e. detection is possible from a range of 0 mm. Typical applications for the new sensors are, therefore, small part and leading edge detection at close range as well as object detection though millimeter-sized openings, such as bore holes and slots. As the outward and return beams have identical paths, autocollimation light barriers also offer high switching point precision and positioning accuracy with lateral object approach.

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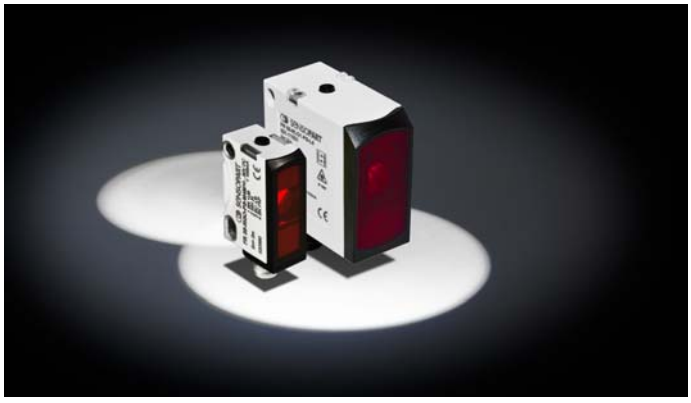
The new laser sensors round off SensoPart's miniature (F 25) and compact (F 55) sensor series and are available in different versions with various operating ranges. The bright, sharp, laser light spot enables precise small part detection with objects as small as 0.2 mm (FR 25-RLO) or 1.0 mm (FR 55-RLO) over the entire operating range of 0 to 4 or 20 m. Due to their high switching frequency of up to 10 or 5kHz, the sensors are also ideal for use in very fast processes.

Both sensors are equipped with a hermetically sealed (IP 69K & IP 67), glass-fibre reinforced plastic housing. The miniature housing of FR 25-RLO is also reinforced by a metal insert. The sensors can be very easily mounted and aligned in cramped installation conditions with the aid of dovetail mounts and the holders available in the accessory range.

Three teach-in modes are available for setting up autocollimation light barriers: static, dynamic and external via a control cable; external teach-in via a control cable is particularly useful for sensors that are difficult to access. The laser light corresponds with laser protection class I, which is user-friendly as the clearly visible light spot presents no risk to operating personnel.

Another photo:



PR-Foto_sensopart_FR25-55_RLO.jpg

SensoPart Industriesensorik GmbH

The sensor manufacturer SensoPart, based in Wieden near Todtnau, and also in Gottenheim near Freiburg since 2001, develops, produces and sells sensors for industrial applications. The main focus is on optoelectronic sensors, particularly laser sensors, which are used in so many industrial applications, and high-performance vision sensors for the detection of objects, colours or data matrix codes.
The past years have been marked by a strong growth in turnover and the regular launch of new, innovative products. SensoPart has received several distinctions for its work, for example the Dr. Rudolf-Eberle Prize, 1st place in the Baden-Württemberg Prize for the Promotion of Young Companies, and has been awarded the German Sensor Application Prize several times. Further information can be found online under: http://www.sensopart.com.