

Optical Sensors in Miniature Format

Turck is presenting the VS8 series for mounting in confined spaces

Mülheim, May 21, 2019 – Turck is now introducing the VS8 series miniature sensors. Optical sensor partners Banner Engineering developed the VS8 series for precise detection in confined spaces or near moving parts. Measuring 21.1 x 14.6 x 8 millimeter, the devices are only half the size of a matchbox. The VS8 sensors are available in red laser or red and blue LED variants, which enable opposed, retroreflective, adjustable or fixed-field background suppression sensing modes. This versatility enables users to choose the right sensor technology for the particular application.

The VS8 sensors detect very small parts and other difficult targets which present a challenge for other sensors. The red laser models have a bright, precise spot for detecting even multicolored targets and objects as small as 0.5 mm. The blue LED models reliably detect targets with dark or reflective surfaces and transparent objects without any need for a reflector. The red LED VS8 sensors are cost-effective, multi-purpose sensors that detect a wide range of targets.

Industry standard side mounting holes simplify mounting in new or existing equipment. The dovetail mounting option allows $\pm 10^\circ$ tip/pivot adjustments for a quick and precise alignment of the sensor. High-visibility status LEDs, easy-to-reach pushbuttons and remote input teach simplify the programming and thus the entire commissioning of the sensors.

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VS8 Series Miniature Sensors for precise detection in applications with extremely limited space

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