

Press release

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Area: Position sensors

Subject: Distance sensor with laser protection class 1

Using the PMD technology (photonic mixer device) efector pmd is a distance sensor at the price of a standard sensor. Different versions cover ranges of up to 75 m. A new product is the O1D155 with reduced laser performance. The unit obtains laser protection class 1 which is required in many applications. The detection range is 0.3 to 6 m.

The O1D155 also measures distances reliably when the laser beam does not hit the object surface vertically. If surfaces are not shiny, the angle of incidence of the light beam can be up to 45°.

The sensor has two switching outputs, one of which is configured as an analogue output. The user can easily set the output function, the window function, the analogue output and the hysteresis function due to a 4-digit alphanumeric display. The compact and robust die-cast zinc housing with the dimensions 42 x 45 x 52 mm provides IP 65 protection.

ifm electronic supplies an extensive range of fixing solutions for easy installation and reliable alignment of the sensor.

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