

New Miniature SMD PMS for 3D Printers and Industrial Systems

Hoofddorp, Netherlands, Tuesday, 11 May 2021 – Omron Electronic Components Europe has launched a new, exceptionally compact reflective photomicrosensor (PMS) with a sensing distance of 3-4mm, plugging a gap in the market for an SMD device addressing applications such as 3D printers, mini printers, e-locks and factory automation equipment.

Gabriele Fulco, Product Marketing Manager for Sensors at Omron, said, “With increasing pressure on system size, there is a definite market trend to move from leaded PMS solutions to SMD, but there is a real need for a miniature device with a mid-range 3-4mm sensing distance. Our new device achieves a comparatively long sensing distance within a compact form factor as a result of its built in lens.”

The new Omron EE-SY1201 reflective PMS is just 3mm x 4mm x 2mm – yet offers a peak sensing distance of 3mm. Typical applications include paper pass detection in mini-printers, pin or cylinder rotation in e-locks, media pass detection in cutting machines and filament rotation in 3D printers. Other uses include factory automation equipment and industrial cameras. For applications requiring a shorter sensing distance of just 0.5mm, Omron offers the EE-SY1200.

Photo caption: The new Omron EE-SY1201 reflective PMS offers a peak sensing distance of 3mm

About Omron

Omron Electronic Components Europe is a leader in electromechanical PCB relays, as well as a leading supplier of components such as micro switches, MOSFET relays, DIP switches, photomicrosensors and connectors. Omron has a strong portfolio of innovative technologies including MEMS based pressure, flow and thermal measurement sensors, human face and gesture recognition modules, vibration and tilt sensors.

Omron Electronic Components Europe strongly supports its customers in Western and Eastern Europe, Russia and the CIS through 8 regional offices, a network of local offices and partnerships with specialist, local, regional and global distributors.

Omron Electronic Components Europe is a subsidiary of the Omron Corporation, recognised worldwide as a leader of high quality, high technology electrical and electronic control equipment and component products.

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