ifm electronic

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Area: **Position sensors and object recognition**

Subject: **OBF fibre optic amplifiers - the next generation**

The latest offspring of the OBF fibre optic amplifier family from ifm electronic combines special and practical features for applications in handling and conveying as well as robotics.

The short-circuit protected fibre optic amplifiers are distinguished by their very high switching frequency of up to 3000 Hz, at an operating voltage between 10 and 30 DC.

The connection of the compact fibre optic amplifier is made using an M12 connector (3-pole), M8 connector (3-pole or 4-pole) or a cable version. Furthermore, the fibre optic amplifiers feature a function check output, with the exception of the 3-pole versions.
The sensors feature automatic PNP/NPN detection; the output can be programmed as light-on or dark-on mode.

The fibre optic amplifiers can be installed on a DIN rail or, using the mounting holes, on a surface with a minimum of fuss.
Set-up is quick and uncomplicated - time consuming and complicated parameter setting is a thing of the past: the unit is ready for operation after just pressing the programming buttons twice.

For demanding applications extended functions such as manual fine adjustment as well as pulse stretching (time delay function) are available.

Switching states or error states and operating voltages are clearly indicated by the powerful LEDs of the overload-protected and reverse-polarity protected sensors.

Moreover, ifm electronic offers a vast range of fibre optics as through-beam and diffuse reflection system with different ranges for connection to the fibre optic amplifiers.

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