

**Press release**

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**Area: position sensors**

**Subject: T-slot cylinder sensors for short-stroke cylinders**

The new T-slot cylinder sensors from ifm electronic react extremely sensitively to magnetic fields due to the integrated AMR element. The sensors are particularly suited for applications requiring exact position sensing and a small hysteresis, e.g. for short-stroke cylinders.

For installation the sensor is placed from the top into a slot. The sensor is locked in the slot by its self-locking mechanism. The moulded cable and fixing by means of a screw provide incomparable strain relief.

The semiconductor outputs are PNP (NC and NO) or NPN (NO). For connection, cables with M8 or M12 connectors and open cable ends are available. An LED integrated into the housing indicates the switching status. The operating voltage is between 10 and 30 V.

The cylinder sensors operate without wear. Compared to Reed switches their life is almost unlimited. Due to the high switching frequency up to 3000 Hz they are suitable for quick piston movements.

Thanks to the wide selection of optional adapters the 25 mm short T-slot sensors can be fixed to almost every clean-line, tie rod, integrated profile or trapezoidal slot cylinder as well as to many special slots.

ifm electronic at Hannover Messe 2008: hall 9, stand D36.

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