

**Press release****wpi 342 / 1108
November 2008****Area: Position sensors**
Subject: Precise C-slot cylinder sensors

The new C-slot cylinder sensors from ifm electronic now use an AMR sensing element. It operates to the magneto-resistive principle, enabling the reliable detection even of weak magnetic fields.

The AMR element reacts extremely sensitively to changes of magnetic fields. The short travel distance of maximum 5 mm ensures precise position detection - particularly important for short-stroke cylinders. The hysteresis is maximum one millimetre.

The sensor is immediately locked in the C-slot by its self-locking mechanism. The moulded cable and fixing point additionally provide incomparable strain relief.

Two versions are available: a 17.5 mm short non flush version as well as a 25.8 mm long flat and flush version.

The maximum switching frequency is 5,000 Hz, the protection rating is indicated as IP 67. The permissible temperature range is -25...85 °C.

Connection of the 3-wire PNP units is made via a connection cable with or without M8 connector. The units need an operating voltage of 10...30 V DC. Optional adapters moreover enable the use in T-slots. Due to a special memorisation block, no readjustment is necessary in case of replacement.

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