



Press release

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Area: Position sensors and object recognition

Subject: Encoders with CANopen interface

The new encoders from ifm electronic enable data transmission via CANopen interface DS301 according to the encoder profile DSP406 class 1 and 2.

Coding switches - by means of which the bus address, baud rate, bus termination and zero point can be set - can be found under the housing cover, which enables easy set-up. Using the CANopen interface, the scaling, preset values and direction of rotation can moreover be programmed. The encoders feature module and status LEDs, allowing easy diagnosis directly on the unit.

The resolution of the singleturn encoders is 13 bits per revolution. The multiturn version moreover also counts the revolutions with 12 bits.

Rotational speeds up to 6,000 rpm are reliably detected. The shaft load can be up to 10 N (axial) and up to 20 N (radial).

The shaft diameter is 6 mm for the version with synchro flange and 10 mm for the version with clamp flange.

The aluminium housing has the protection rating IP 67, the shaft input IP 66. Connection is made via synchro flange or clamp flange.

ifm electronic at the SPS/IPC/DRIVES 2009: hall 7a, stand 302.

Customer contact:

*ifm electronic gmbh
Teichstr. 4
45127 Essen
Germany*

*www.ifm.com
info@ifm.com*

Press / public relations / media planning:

*Simone Felderhoff, +49 (0)201 / 24 22-411
simone.felderhoff@ifm.com*

Technical writing

*Dipl.-Ing. Andreas Biniash, +49 (0)201 / 24 22-425
andreas.biniash@ifm.com*

*Sabrina-Ulica Schuster (M.Sc.), +49 (0)201 / 24 22-425
sabrina-ulica.schuster@ifm.com*

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