

Support for CANopen and Ethercat

Sieb & Meyer (Germany) offer selected device versions of the drive amplifier series SD2S with an integrated Ethercat slave fieldbus interface. The CANopen profiles CiA 301 and CiA 402 are also implemented.



(Photo: Sieb & Meyer)

THE DRIVE AMPLIFIERS OF THE SERIES SD2S COME with a software that supports the operation of high-dynamic servo motors and high-speed motors with asynchronous and synchronous technology. In order to enable easy implementation based on established communication and device profiles, the CANopen profiles CiA 301 and CiA 402 were implemented.

Depending on the application, the amplifiers can operate without a sensor, for example, in case of manufacturing spindles in machine tools. Naturally, the amplifiers can also operate with a sensor, for example high-dynamic tightening spindles in the automotive industry. The software package Drivemaster2 supports the user during the

application-specific parameter setting and initial operation.

The SD2S can drive synchronous and asynchronous motors with speeds up to 480000 revolutions per minute. Depending on the application, the operation can be carried out with or without an encoder. The amplifier is connected to higher-ranking controls via analog reference values (± 10 V), digital I/Os, CAN, EIA-232, USB, Profibus, or Ethercat.

"Among the Ethernet based real-time fieldbus systems the Ethercat protocol has become established in the field of automation engineering", says Torsten Blankenburg, CTO at Sieb & Meyer. "With the new interface we accommodate this development."