

SPS IPC DRIVES 2015

Drive controller adapts to environment

At this year's SPS IPC Drives fair in Nuremberg, Kostal (Germany) focuses on the various interfaces a drive controller uses in applications.



You can meet the Kostal team at stand 551, hall 1 (Photo: Kostal)

modern drive controller, like the Inveor, and have a go themselves. Depending on what the customer needs, controls include a foil keypad, an external handheld controller, an MMI integrated in the housing, operation via an external touchscreen and via a computer with the corresponding application software.

The third interface to which a drive controller has to adapt is communication with the application environment. The controller is compatible with many common control environments in this respect. The customer can select the bus system that is of relevance to them, for example: CANopen, Profibus, Profinet, Modbus, Ethercat, SAS, or the Sercos environment.

The fourth interface is mechanical motor adaptation in the customer application. Thanks to its adaptation concept, the Inveor offers a range of motor-specific adapter plates and universal adapter plates, whose hole pattern can be adapted to the motor by the customer.

As the fifth interface, a drive controller has to adapt to the motor's control procedures. Here, the product can control asynchronous and synchronous motors, with the connection again being made via the aforementioned adapter plates.

THE INVEOR WILL BE ON DISPLAY to visitors as a so-called smart connection. More specifically, there will be five different interfaces of the application environment to which a drive controller has to adapt to suit the requirements applicable in each situation.

The first interface is the drive controller's ability to adapt to the motor rating to be controlled. Inveor offers the ability to control motors with a motor rating between 0,25 kW and 22 kW and housing variants mounted on the motor or wall. Inveor CP, a cold plate variant without a housing, will be unveiled for the first time at SPS IPC Drives 2015. It allows the customer's own cooling elements to be connected and can be installed in an explosion-proof housing.

The company presents the various options provided by Inveor in the second interface area called Operate & Observe. According to the company, visitors can also learn how easy it is to operate a



The Inveor line of drive controllers (Photo: Kostal)