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Presse-Information

Open for all connections: Rheintacho FM series speed sensors

Rheintacho adds to its product portfolio with the FM series speed sensors a model, featuring various connectors integrated directly into the sensor housing. The sensor is made of a proven hightech-plastic. The intelligent design, allows for the use of various connectors, as well as various connector outlet directions.

The basis for the new family is found in the FK series 2-channel speed sensors, which have proven themselves for years in various areas of use, particularly in electric motor drives. The 2-channel sensor design allows for both the speed and direction of rotation to be measured simultaneously using two phase-shifted signals. The temperature resistance and EMC resistance of this sensor achieves top values, thanks to its electronic design and the use of specially chosen materials.

With the mating plug in use the entire unit is in accordance with the IP67 protection class. One of the standards the EMC values fulfill is the EN 13309:2010 construction machinery standard, amongst others. The mating plug can safely be assumed to be the limiting factor in light of the sensor's temperature resistance of up to 140°C.

The FK sensor was used by Rheintacho as the basis for developing the FM sensor. Whereas the FK series offers a cable output with various cable lengths and connection types, the FM sensors are fit with an integrated connector.

The FM series is quite innovative thanks to the considerations taken in the early phase of development that allows for variations in both

- the connector's output direction *and*
- connector type.

And that allows for it to be tailored exactly to meet individual user requirements.

The connector output can be turned to 0°, 90° and 270°. This allows for the optimal adjustment according to the individual installation situation. The connector can be produced to be compatible with various common standards eg: AMP, Deutsch, and Yazaki.

Taking these options into consideration during the early phase of development significantly shortened the implementation time and ensured the technical feasibility of this option in advance. Both aspects help save time and costs in the long run.