

PRESS RELEASE 05/15

Contactless QR24 Encoder Speaks CANopen

Turck's QR24 inductive encoder series is now also available with a CANopen interface for mobile machines and industrial applications

Mülheim, March 11, 2015 – Turck has added a variant with a CANopen interface to its QR24 encoder series. The new wear-free QR24-CAN variant is ideally equipped for use in mobile machines and industrial applications. Short latency times as well as a cyclical and event-driven communication are only two of the many benefits of the CANopen protocol, which is frequently used in this application field. These applications include crane and lifting technology, transport systems, construction machinery and also special machine building. The first pilot customers are already using the new contactless encoder with the CANopen interface in the construction machinery and wind power sector.

As with other QR24 models, the sensor and the positioning element of the encoder are fully potted and designed as two independent and fully sealed units that withstand vibration or shocks on the shaft. Wear-intensive ball bearings or seals, that lead to machine downtimes or long maintenance times are not required. The QR24 series has the edge over both optical and magnetic encoders.

Thanks to its intelligent mounting concept using adapter rings, the permanently sealed IP69K encoders can be fitted on all standard shafts with diameters up to 20 millimeters. As well as the new stainless steel variants, Turck also offers the encoder as a multiturn or singleturn version with an SSI interface, incremental output and analog voltage/current output.



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With its new QR24 model, Turck is now also supporting the widely used CANopen protocol in the field of mobile machines

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