Turck Introduces EtherNet/IP Encoders for High-Speed Applications

Minneapolis MN, September 23, 2016 – Turck announces the availability of EtherNet/IP enabled encoders, providing an optical based encoder solution with electronic multi-turn capabilities for position applications requiring feedback for customers using the EtherNet/IP and CIP (Common Industrial Protocol) interface. Common applications for the ODVA-certified encoder include automotive production, logistics, metal processing, textile applications, as well as printing and packaging machines.

The new EtherNet/IP encoders are available in both singleturn (RS-107/108) and multiturn (RM-105/106) variants and come with a diameter of 58 mm, offer a total resolution of up to 32 bits (16 for singleturn, 16 for multiturn), and have been designed specifically for high-speed applications. The encoders offer an RPI (requested packet interval) time of 1 ms, and allows operation in high-speed applications with up to a 1,000 Hz update frequency. These features allow users to save time and costs.

The RS-107/108 and RM-105/106 EtherNet/IP encoders offer a cost effective, compact EtherNet/IP encoder solution with Device Level Ring (DLR) capability. The DLR capabilities allow the network to stay active even if one direction of the communication bus lines is compromised. This is a bi-directional communication capability built into the encoder. For the customer it means that their process can continue while one unit is off-line, greatly influencing efficiency and reducing costly down-time.

The RS-107/108 and RM-105/106 encoders are available in solid shaft and blind hollow shaft versions, with the blind shaft version having diameters up to 15 mm. The encoders feature an operating temperature range from -40 to +80 °C and are IP65 rated. Additionally, thanks to their optical design, the encoders are highly immune to interference from magnetic fields.

The RS-107/108 and RM-105/106 provides users with a EtherNet/IP encoder solution for high-speed applications

Selling Strengths
- EtherNet/IP encoder solution
- Available in both singleturn and multiturn variants
- Provides robust solution for position applications requiring feedback
- Device Level Ring (DLR) capabilities
- Highly immune from magnetic interference

Product Specifications
- Both solid shaft and blind hollow shaft available
- 58 mm diameter
- RPI time of 1 ms, up to a 1,000 Hz update frequency
- 32 bit resolution
- Temperature range of -40 to +80 °C
- IP65 rated

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