

Single-cable solution gets full certification

Absolute rotary encoders with EtherCAT-P

In time for the spring of automation, the ETG (EtherCAT Technology Group) confirms that the absolute rotary encoders of the latest generation from TR-Electronic with EtherCAT-P meet all the required standards.

This means that the innovative single-cable solution is also officially available for rotary encoders, which are available in the 58 mm industry standard as well as in sizes 80 and 110 mm.

One more reason why TR-Electronic probably offers the largest selection of interfaces for absolute encoders on the market - and that for all mechanical variants: solid shafts from 6 to 12 mm, also in inch-based dimensions for the Anglo-Saxon market, slip-on and hollow-through shafts from 8 to 15 mm and also in the larger hollow shaft variants that accommodate shafts of up to 50 mm.

The rotary encoder has a specially coded M8 connector which can easily withstand the typical rigors of everyday industrial use. Incorrect connections are avoided by these exclusively coded connectors. Specific cables with molded plugs are a perfect solution for applications with compact-machines. The M8 plugs fit into very narrow grommets allowing for a small overall cable profile.

Depending on the control configuration, disconnection and connection is even possible during operation ie. ("Hot Plug"). This opens up the possibility of flexible system and machine concepts, for which the necessary functional modules are assembled and networked according to requirements, without touching the control software. The rotary encoders from TR can also take advantage of the genuine absolute architecture without counters and batteries: even without a connection to the controller, the rotary encoder "notices" every position change. If the machine module is re-connected, the real position value of the monitored machine part is immediately seen in the controller, without any reference of travel needed.

- EtherCAT-P interface for all absolute rotary encoders of the latest generation
- Size 58 mm with solid shaft, blind shaft and hollow through shaft
- Size 80 mm with up to 27 mm through hollow shaft
- Size 110 mm with up to 50 mm through hollow shaft
- Real absolute rotary encoder, changes in position are recorded even without a power supply
- ultra-compact connection system
- Single cable solution



Drehgeber Baugröße 58 mm mit
EtherCAT-P-Interface von TR-Electronic



Drehgeber mit durchgehender Hohlwelle von 50 mm mit
EtherCAT-P-Interface von TR-Electronic

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