

Absolute multiturn encoder with DRIVE-CLiQ interface

Direct connection for drive controls

Powerful single and multi axis servo applications require high-resolution, high-speed encoder systems and high-performance transmission technology between the frequency converter and the sensors for field control, speed and position control. Often the position encoders are integrated directly into the motor housing. Measured on the motor shaft, the position finally reached by the mechanism is influenced by the backlash and tolerances e.g. the subsequent transmission. If one measures directly on the axis to be moved, the precision becomes higher. For these applications, separate rotary encoders are needed that blend gapless into the position feedback of the selected inverter series. The SINAMICS drive system from Siemens uses the open DRIVE-CLiQ standard for position feedback. The latest encoder generation from TR-Electronic is now also available with this interface. The compact construction dimension of 58 mm makes high-resolution and robust multi-turn absolute rotary encoders available for demanding automation and positioning tasks. The latest rotary encoder series offers a variety of mechanical installation solutions: solid shaft, blind bore and hollow-through shaft with a diameter of up to 15 mm. With the variety of shafts and flanges, mounting variants and accessories available in the standard range, the series 582 absolute rotary encoders also fit into existing mechanisms. Especially when a machine manufacturer has to support various interface systems due to customer specifications, the consistently designed encoder system of the current generation from TR-Electronic helps him: he gets the same hardware equipped with further interfaces such as PROFINET, PROFIBUS, EtherCAT and Ethernet / IP - a single design for the big world of industrial communication. For particularly small installation spaces, TR-Electronic also offers the absolute multiturn encoders series 36 with DRIVE-CLiQ. These small encoders with 36 mm outer diameter are suitable for apparatus engineering and are also used for medical devices. If particularly powerful drives are used, the axis also get thicker. For larger, passing shafts, the hollow shaft encoders C_H802 (shaft diameter max. 27 mm) are the right solution: Directly fitted with DRIVE-CLiQ, they fit perfectly into the servo application. Certification by the Siemens Test Center guarantees the seamless integration of all DRIVE-CLiQ encoders from TR-Electronic.

All absolute rotary encoders with DRIVE-CLiQ in overview in Web:

<https://www.tr-electronic.com/s/S019362>



TR-Electronic - Absolutdrehgeber mit DRIVECLiQ CEH80.jpg

C_H80 DRIVE-CLiQ

For shafts with up to 27 mm (clamping ring) resp. 25 mm (keyway, key)



TR-Electronic - Absolutdrehgeber mit DRIVECLiQ CEV36.jpg

C__36 DRIVE-CLiQ

Compact absolute rotary encoder for small machines.

Solid shaft 6 mm

Blind shaft 6 mm



TR-Electronic - Absolutdrehgeber mit DRIVECLiQ CEV58.jpg

C__582 DRIVE-CLiQ

Solid shaft 6..14 mm

Blind bore 8..15 mm

Hollow through shaft 8..15 mm

Big variety of flange geometries available in standard



TR-Electronic - Absolutdrehgeber mit DRIVECLiQ.jpg

Von Links: C__582, C__36, C_H80 mit DRIVE-CLiQ von TR-Electronic

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