

Press Release

ODVA confirms conformity

The compact absolute rotary encoders in size 58 mm fulfill all communication standards for Ethernet/IP.

This has now been confirmed to TR-Electronic GmbH by the ODVA after intensive testing, with test report [ODVA-# 11186](#). The family of 58 mm rotary encoders has thus proven once again that fully-fledged multi-turn absolute encoders with all standard field bus and Industrial Ethernet interfaces are possible even in a compact installation space.

With solid shaft and blind shaft, the 58-mm series can be adapted to different machine configurations. In addition to the usual synchronous and clamping flange configurations, different versions are available as standard. TR-Electronic can also provide suitable shaft and flange combinations in inch-based dimensions for the US market without problem; UL listing is optionally possible. In the CEV58 and CES58 the resolution per revolution is 32768 steps (15 bits), and 256000 revolutions are detected without batteries or counters. The COV58 and COS58 offer a higher resolution, with up to 262144 steps per revolution (18 bits). The output resolution in the Ethernet/IP network can be parameterized with adjustment to the respective application.

The M12 plugs are axially arranged, so that the connector cables do not protrude beyond the flange diameter of 58 mm.

Two bus connections support the direct interlinking of Ethernet/IP line nodes in a line topology; exactly like the standard wiring in the field.

Further products from TR-Electronic with Ethernet/IP are non-contact and wear-free linear measuring systems, which e.g. can be integrated directly into hydraulic cylinders in a flameproof design or can be mounted in or on machinery, thanks to their profiled housing.

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All TR-Electronic products with Ethernet/IP can be found at www.tr-electronic.de/s/S006795



C_V58, C_S58 EIP.jpg
CEV58 and CES58 Ethernet/IP from TR-Electronic GmbH