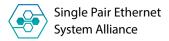


Single Pair Ethernet — SPE

Absolute encoder featuring a SPE interface



Single Pair Ethernet





Single Pair Ethernet (SPE) will revolutionise the market. SPE enables the parallel transmission of data and energy via only one twisted pair, thanks to Power over Data Line (PoDL). This enables end-to-end IP communication between sensor and cloud while simultaneously supplying power to complex IIoT solutions.

Technical facts

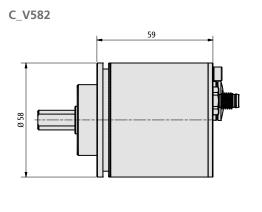
- _Absolute encoder's SPE interface:
 - _Parameterisable resolution up to 18 bit singleturn
 - _4,096 revolutions via real multiturn gearbox
 - _Cycle time up to 1 ms
 - _Various shaft/flange combinations possible
- _10 Mbit/s SPE: 10 BASE-T1L
- _Power over Data Line: PoDL Class 11

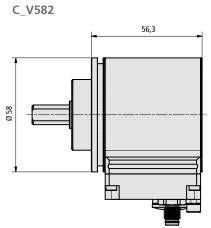
_Protocols

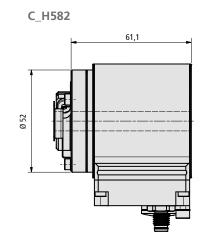




Drafts











EtherNet/IP







CANopen











shaft up to Ø 50 mm!

Flexible, fast, compact

C___582 Rotary Encoder: The Proven Generation

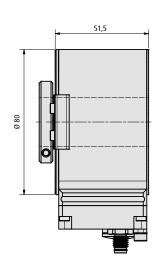
Versatile networker as standard

- _Industrial Ethernet: PROFINET, EtherCAT, EtherNet/IP, POWERLINK, NEW: SPE
- _Fieldbuses: CANopen, PROFIBUS, Interbus
- _Point-to-point: SSI, Analog, Parallel, RS485, IO-Link, DRIVECLIQ
- _From magnetic robust to optic high-precision

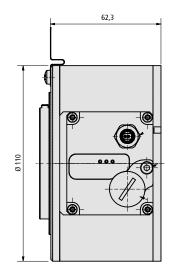
- _Solid, blind, hollow shaft, wire draw, claw coupling
- _Protection class up to IP67, M12 plug-in technology
- _Single or multiturn
- _Narrow 58 mm housing
- _Warehouse, logistics, factory automation, metalworking, renewable energies, packaging, etc.

Drafts

C_H802











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TR Electronic develops, manufactures and sells sensors and actuators for industrial applications in automation technology. When industrial processes run smoothly and reliably, measurement and control solutions from TR Electronic play their part!

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Subject to changes in technology and design.

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