

**INDUCTIVE
ENCODER IN
STAINLESS
STEEL****EQR24 for Harshest Environments**

For major projects, TURCK now offers its customers a robust stainless steel variant of the contactless, inductive encoder QR24. The new EQR24 variant of the wear-free encoder is suitable for use in the food industry as well as in many other applications.

With the V4A stainless steel housing (1.4404) and the active surface made of PA12-GF30 plastic, the device withstands even aggressive chemicals and high pressures in the cleaning process.

As with other QR24 models, the sensor and the positioning element of the encoder are fully potted and designed as

two independent and fully sealed units that can withstand vibration or shocks on the shaft. Wear out problems of ball bearings or seals, that lead to machine downtimes or long maintenance times are not required.

Thanks to its intelligent mounting concept using adapter rings, the permanently sealed IP69K encoders can be fitted on all standard shafts with diameters up to 20 millimeters. The new stainless steel variants TURCK offers with an SSI interface and incremental output.

Your advantages

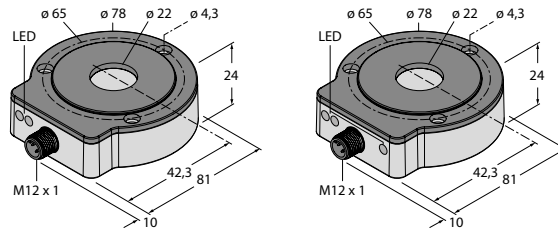
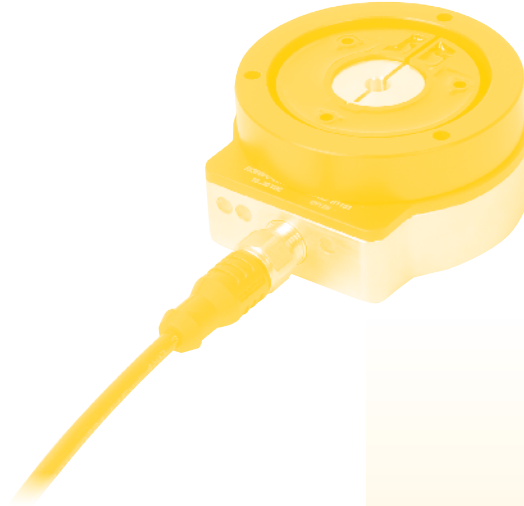
- Permanently wear-free through contactless measuring principle and fully potted electronics
- Reliable operation, since the device tolerates vibration and offsets of the shaft
- Versatile mounting options
- Works reliably in harsh and aggressive environments

Sense it! Connect it! Bus it! Solve it!

Inductive Encoder in Stainless Steel

Product highlights

- Robust and permanently leak proof in IP67/IP69K
- Active face, plastic PA12-GF30
- Housing, stainless steel V4A (1.4404)
- Status displayed via LED
- Easy-Tech: for quick installation, even on side
- PACTware™: perfect adaption of the encoder to the application
- Male connector, M12 x 1, 8-pin



Type code	Ri360P0-EQR24M0- INCRX2-H1181*	Ri360P0-EQR24M0- HESG25X3-H1181*
Ident. no.	1590912	1590911
Output type	Incremental, push-pull	SSI, 25 Bit, gray coded
Shaft diameter	6 mm...20 mm	
IP protection	IP67/IP69K	
Resolution/ Default setting	1024	16 bits singleturn 3 error bits 6 bits multiturn
Parameterability by PACTware™	1...1024...5000	10...18 singleturn bits; error bits can be used as multiturn bits up to 15 multiturn bits possible
Easy Teach	Selection of the resolution setting the 0 point burst function	Setting the 0 point change Synchron Asynchron mode
Sampling rate	1000 Hz	5000 Hz
Power supply	10...30 VDC	15...30 VDC
Current consumption	max. 100 mA	

* available on request



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