

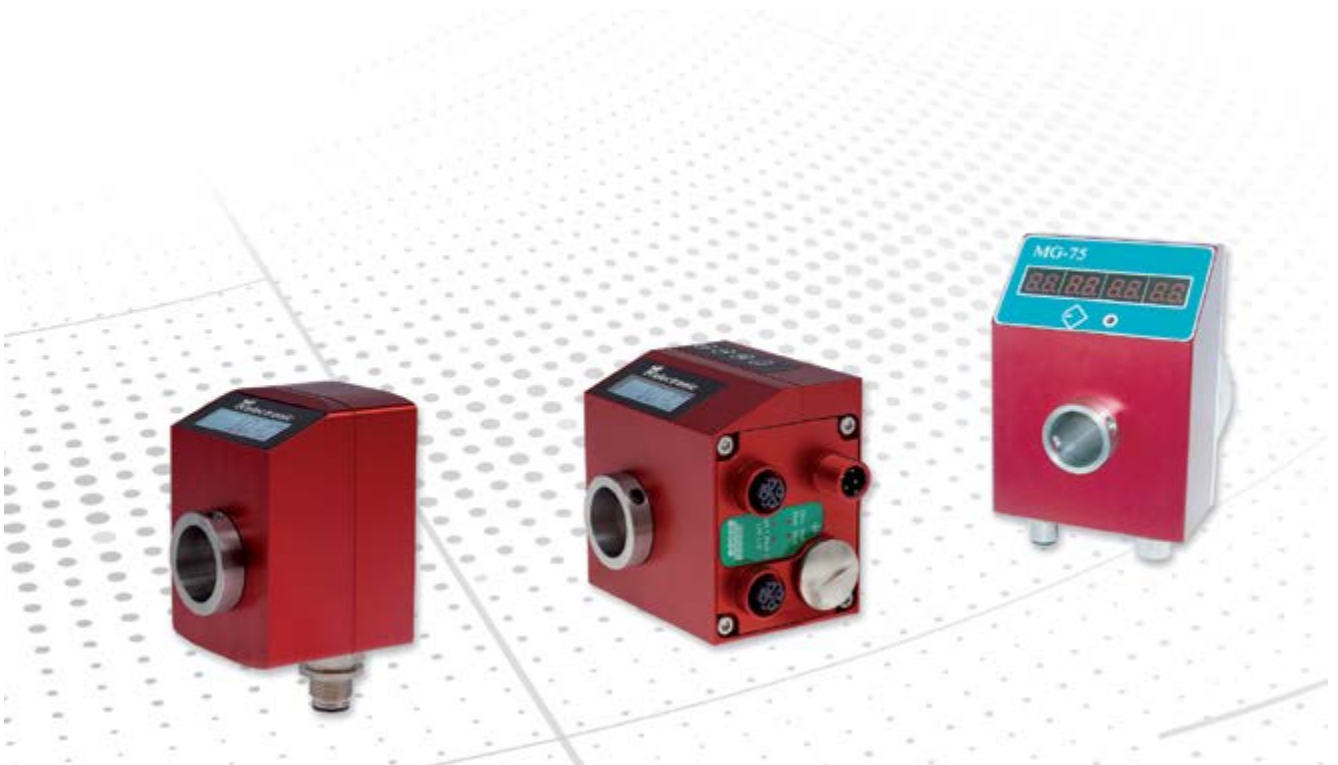
Absolute Rotary Encoders

Family C__M

Display – Position Indicators



Encoder - Family M__Display - Position Indicators



When information is needed directyl in the applications

Position indicator encoders MG provide absolute multiturn position information directly where the movement happens. Manual adjustments can be observed with high precision and reliability.

MG48 is available as position indicator encoder, driven by the solid shaft inserted into the encoders hollow shaft. The modern, graphic capable display provides best legibility. Due to flexible programming, the display orientation fits different integration situations. For programming, USB interface is integrated. The mini-USB-connector is protected by a threaded plug.

The bus-version MG48 BUS and MG75 adds the possibility to connect the encoder to a central control. With this feature, all manual adjustments can be documented by the control and even parametrized by sending new target values from the control to the encoder.

Number of steps per turn and number of turns can be programmed with both systems. MG48 BUS communicates via industrial standard bus systems with a master control.

Contents

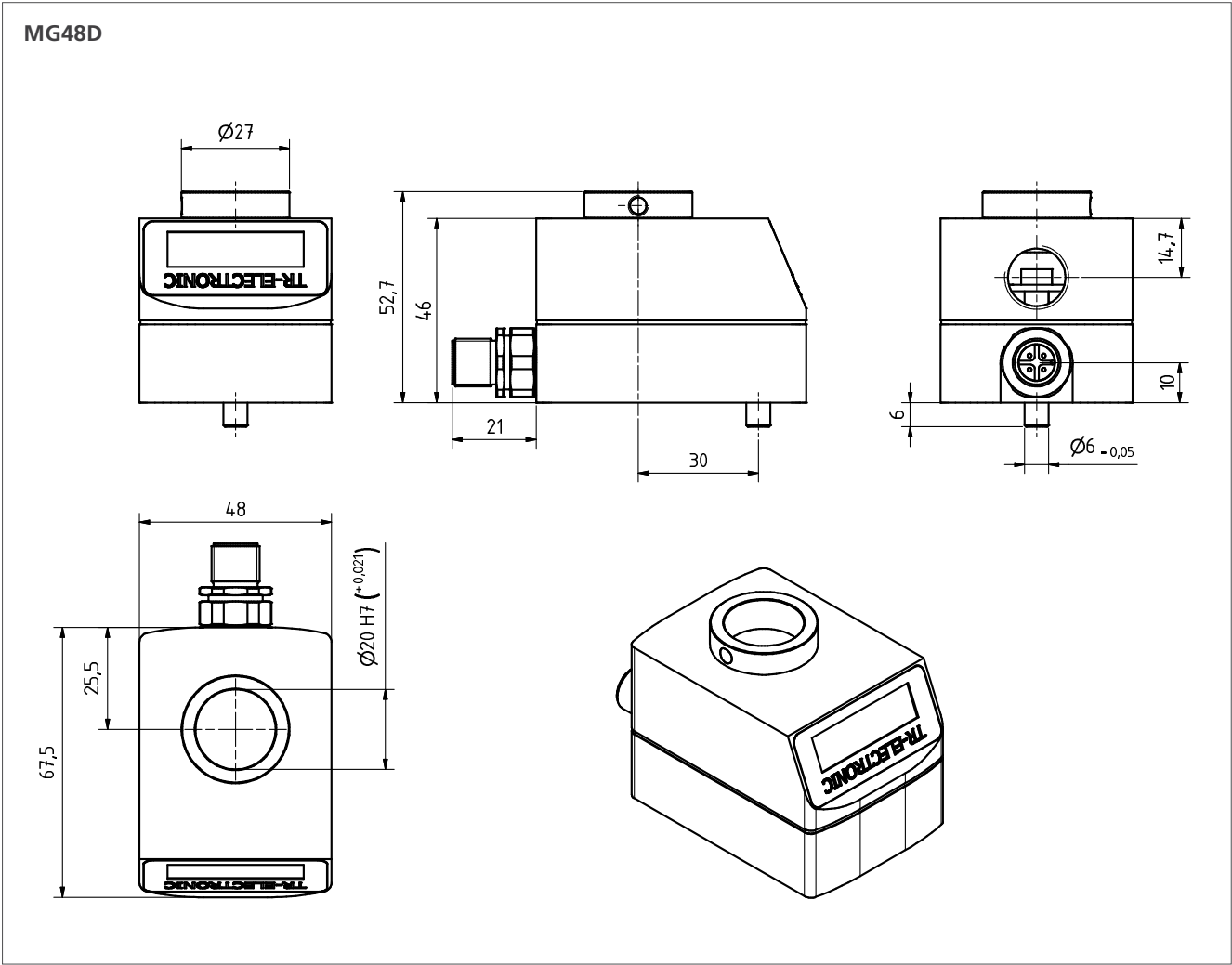
Products.....	3
Dimensional Drawings.....	4

Magnet detection (M)

Product	MG48	MG48 BUS	MG75
			
Detection	Magnet detection (M)	Magnet detection (M)	Magnet detection (M)
Single / multi	(M) Multi	(M) Multi	(M) Multi
Application	Electronic Position Indicator	Electronic Position Indicator with Industrial Ethernet	Electronic Position Indicator with Control Communication
Supply	11...27VDC	11...27VDC	11...27VDC
Steps per turn	4096	4096	64
Number of turns	4096	4096	65536
Shaft diameters available	20H7	20H7	20H7
Connectors	M12 connector	M12 connector	2 M12 connectors
Ambient temperature	0...+60 °C	0...+60 °C	0...+60 °C
Protection class	IP50	IP50	IP50
Interface		  	ASI
Weblink	http://www.tr-electronic.com/s/S016505	http://www.tr-electronic.com/s/S016505	
QR-Code			

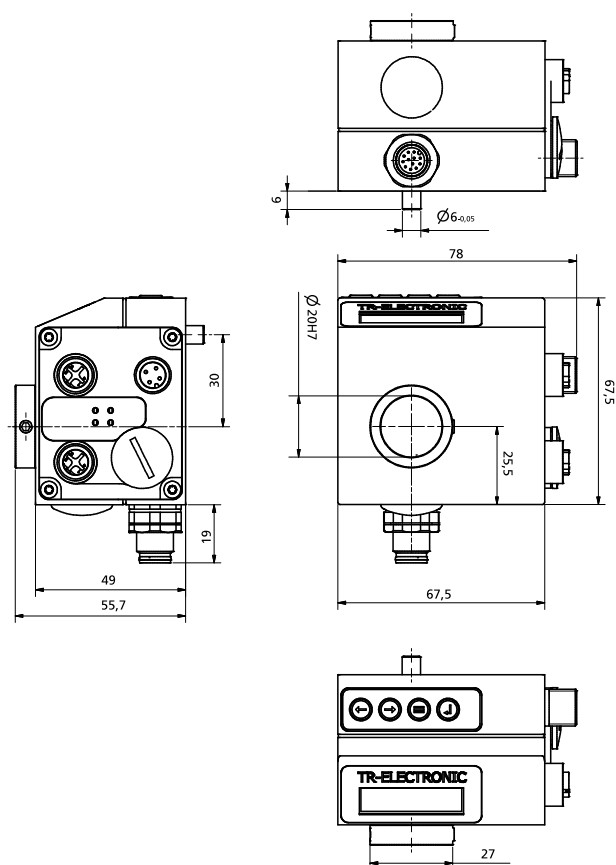
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Dimensional Drawings

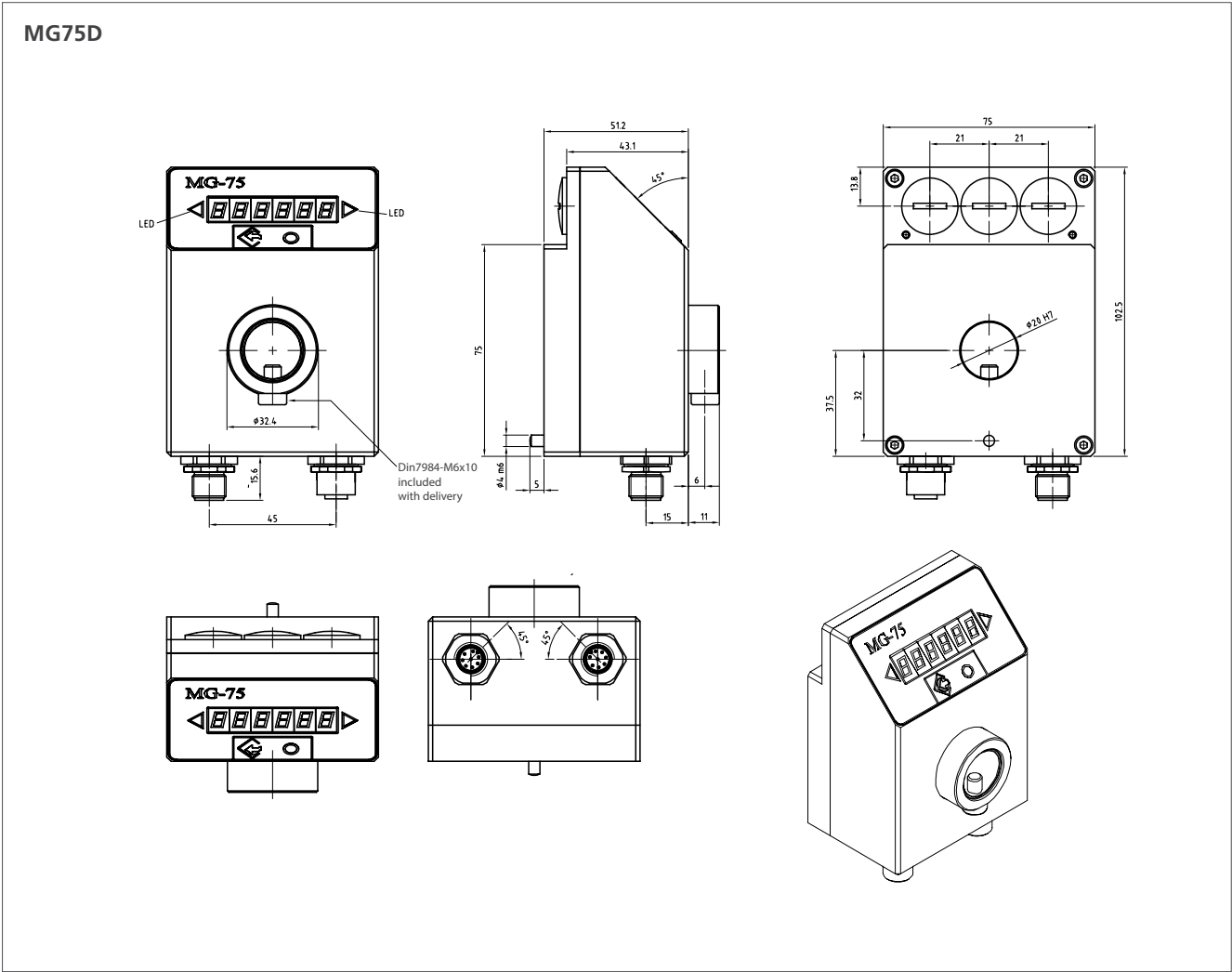


Dimensional Drawings

MG48D Industrial Ethernet



Dimensional Drawings





TR-Electronic – your partner in automation

Rotary encoders

Absolute encoder, incremental rotary encoder, wire-actuated encoder

Rotary encoders with optical and magnetic scanning function register the precise position in a wide variety of applications and industries. In medical engineering, miniature versions ensure correct positioning while SIL3-approved absolute rotary encoders provide the necessary safety. We offer not only high-quality rotary encoders (from Ø 22 to 160 mm) for almost any application but also comprehensive accessories.

Linear encoders

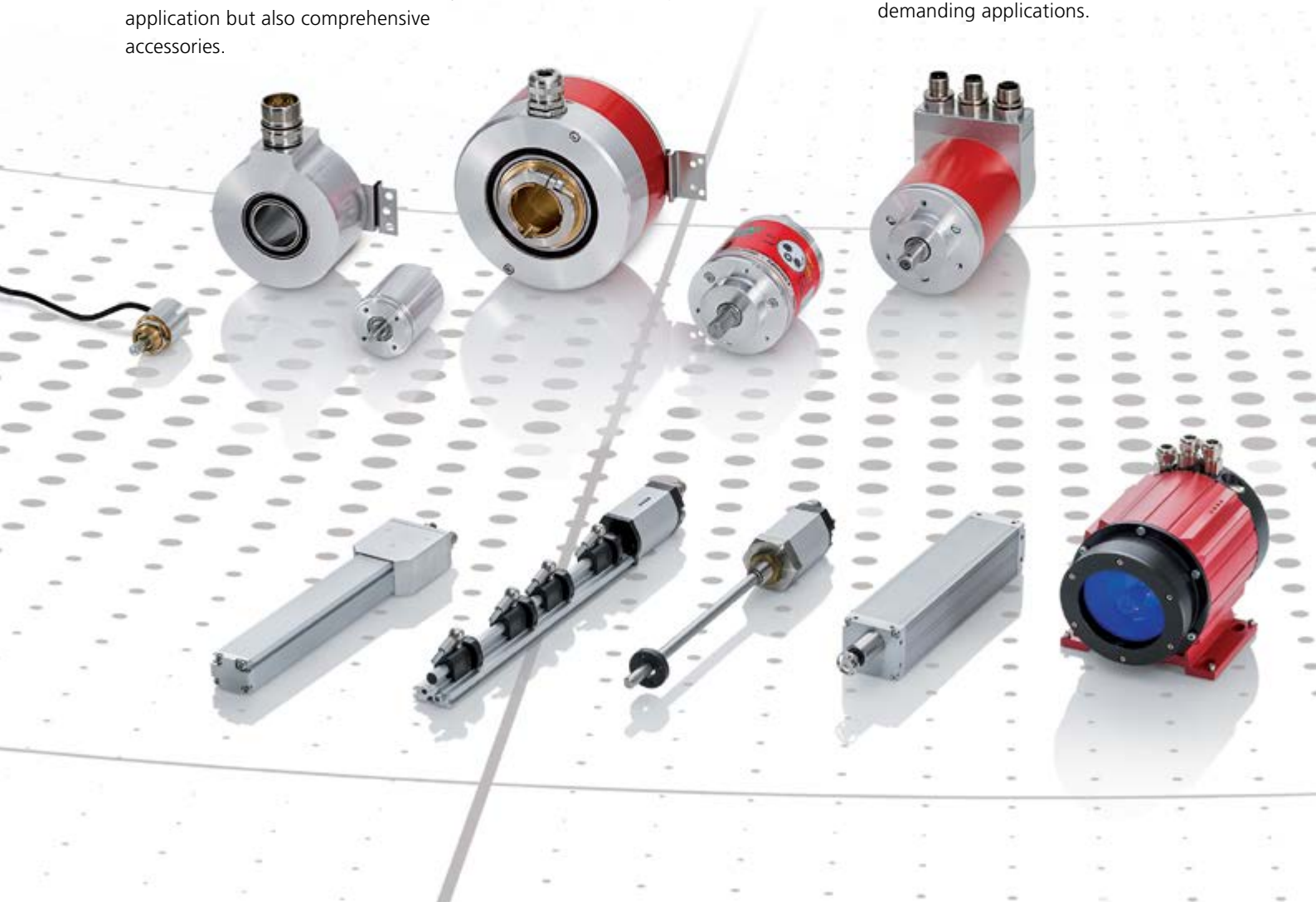
Linear absolute measuring systems, laser displacement measurement

Linear encoders register linear motions in machines, tools and systems according to specific requirements using different technologies. Linear encoders allow measuring distances of max. 20 m almost without any wear. This value is max. 240 m for laser measuring systems. Machines and systems can be precisely controlled to reach their desired positions.

Motion

Servo drives, compact drives, process drives

Intelligent encoTRive drives are available with the current field bus systems, such as PROFIBUS, PROFINET and CANopen, within a power range of up to 300 watts. The drives are configured to meet customer requirements and can be freely combined with precision gear, holding brake and I/O. Values of up to 4,350 rpm and powerful 200 Nm are available to cope with demanding applications.



Components

**Industrial PC, field bus I/O,
PLC, HMI controller**

Industrial PCs are available in numerous variants and offer customized calculation power for PC-assisted automation. Programmable logic controllers (PLC) are the traditional means for automation. HMI controllers establish the interface to the user. Field bus nodes, I/O modules and cam controllers complete the range of automation components.

Automation

**Consulting and implementation
for new machines and retrofit**

You want to set up a largely automated new machine or retrofit and modernize your existing machine with automation systems? Then you just need our extensive expert knowledge and the more than 20 years of our experience.

Unidor

**Blanking and forming,
systems, controls and sensors**

Trendsetting blanking and forming technology for more than 30 years. We are your reliable partner in the world of blanking and pressing and can prove this with thousands of machines which we have successfully installed all over the world. Sensors, controls and systems ensure optimal results in machines, tools and retrofit projects.



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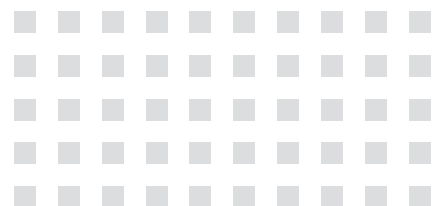
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Subject to technology and design modifications.

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