Baumer EB360 Series – compact, robust, precise

World's most compact bearingless multiturn encoder



CANopen SAE INTERNATIONAL J1939 SSI

Designed for Mobile Machines

- Encapsulated bearingless design beyond IP 69K
- Wear- and maintenance-free
- Easy integration eliminates exposed mounting



Suitable for your application

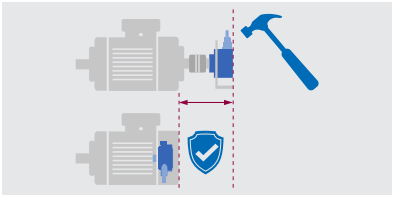
Static stability control – precise and reliable boom angle positioning

Uncompromising performance: reliable, versatile, wear-free



Unmatched reliability also in 24/7 outdoor use

- Long-term hermetically sealed electronics
- Extensively tested e.g. Thermal Shock Dunk immersion
- Thermal and mechanical stress eliminated by design
- Corrosion-proof for offshore use



Eliminate exposed mounting

- 22 mm height – most compact true multiturn
- Flexible tangential cable outlet
- Fully integrable magnetic rotor
- No additional couplings necessary



Fast and simple integration

- Easy configuration with Baumer Sensor Suite in less than a minute
- Easiest adaptation to applications e.g. with gear ratio
- ISO 13849 compliant firmware allows integration in safety systems up to PLd



Outstanding performance

- Non-contact design eliminates wear and tear
- High accuracy over full temperature range
- Short cycle time – SSI clock up to 2 MHz
- Available output position, speed, acceleration and monitoring options

	EB360	EB360R
Size	Ø 38 mm	
Sensing	Magnetic	
Resolution	Singleturn 14 bit | Multiturn 18 bit	
Voltage	8 … 48 VDC	
Electrical interface	SSI	CANopen / SAE J1939
Mechanical interface	Bearingless, non-contact encoder	
Connection	Tangential cable; flying lead or M12 connector or DT04-4P connector	
Absolute accuracy typ. (+20° ± 15° C)	±0.3 °	
Operating temperature	-40 ... +85 °C	
Protection class	IP67	IP68, IP69K and tested beyond

Baumer
Passion for Sensors

Find out more:
www.baumer.com/EB360