

Absolute encoder series MAGRES EAM580 / EAM360



Absolute singleturn and multiturn encoder series MAGRES EAM580 and EAM360 combine proven robustness with ultimate precision. Their angular accuracy of 0,15° ensures durable, precise positioning for ultimate process control which previously often required optical encoders.

The multi-purpose encoder portfolio by baumer with 58 and 36 mm diameter includes a huge variety of product variants in mechanical design, electrical connection and interfaces for maximum application flexibility, including highly robust R-series versions with E1 compliant design and C5-M corrosion protection for mobile automation.

The encoders offer EN13849 compliant firmware and are available with redundant position sensing and CANopen® output, for ultimate reliability and to enable plausibility check on PLC level.

Technical data

Size (flange):	ø 58 mm / ø 36 mm
Flange:	Synchro flange or clamping flange
Protection DIN EN 60529:	IP 65 (without shaft seal) IP 67 (with shaft seal)
Operating speed:	≤ 6000 rpm
Material:	Housing steel zinc-coated Flange aluminum Shaft: stainless steel
Operating temperature:	-40 °C to +85 °C
Voltage supply:	10 V _{DC} to 30 V _{DC}
Interface:	CANopen® CANopen®-Lift CANopen® + incremental
Steps per turn:	≤ 16384 / 14 bit
Number of turns:	≤ 262144 / 18 bit
Sensing method:	Magnetic

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Features

No features listed.