RMC08

Super Small Non-contact Rotary Encoder

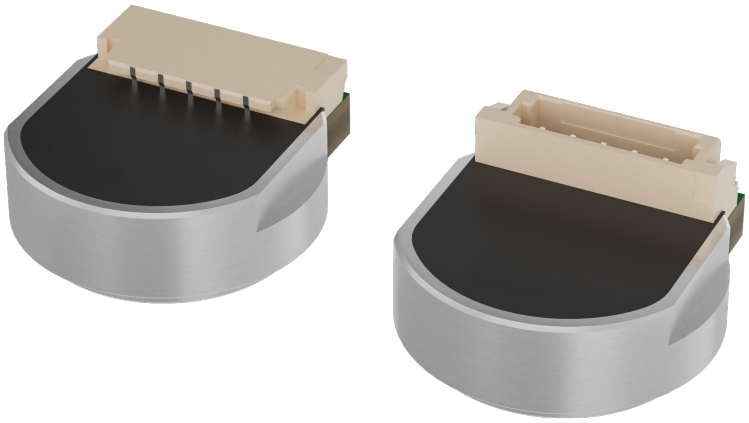
14-BIT RESOLUTION

NON-CONTACT

SMALL SIZE

The RMC08 is a robust, super small, non-contact rotary magnetic encoder designed for use in space-limited applications.

Two connector options ensure easy installation, even in tight, demanding environments.



Why choose RMC08?

- Super small size
- Accuracy up to ±0.3°
- Absolute resolution of 14 bits
- 3.3 V or 5 V power supply versions
- High speed
- For high-volume OEM applications
- For space-constrained applications
- Non-contact, frictionless design
- Absolute and incremental outputs
- Robust design with IP40

ROBOTIC ARM JOINTS | PAN/TILT POSITIONING | INDUSTRIAL AUTOMATION | MEDICAL | MOTOR CONTROL

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A RENISHAW associate company

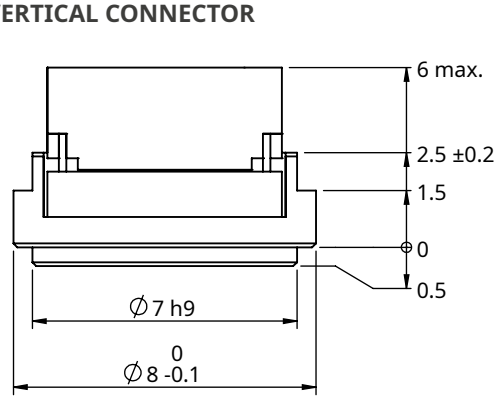
RMC08 technical specifications

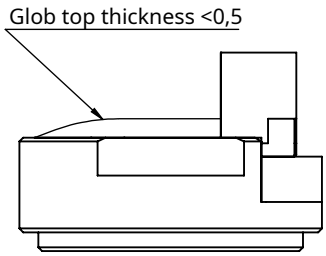
Electrical data		
Maximum resolution	14 bits SSI	
	13 bits incremental	
Accuracy	Up to ±0.3°	
Maximum speed	30,000 rpm	
Power supply	3.3 V or 5 V	
Current consumption	<26 mA	
Output types	Incremental A, B, Z	Single-ended *
	Absolute SSI	Single-ended *
Mechanical data		
Encoder housing material	Aluminium	
Encoder mass	< 2 g	
Connector	JST SM05B-SURS-TF and JST BM05B-SURS-TF	
Magnet material	SmCo (Sm_2Co_{17}), NiCuNi-coated	
Magnet mass	0.4 g	
Environmental data		
Operating and storage temperature	–40 °C to +85 °C	

* Differential RS422 outputs available with line driver board.

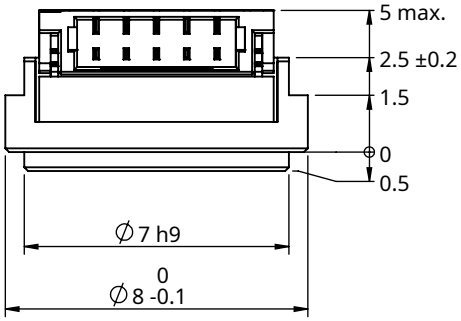
RMC08 dimensions

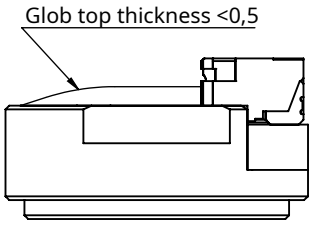
VERTICAL CONNECTOR





HORIZONTAL CONNECTOR





All dimensions in mm.

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