

OnAxis™ Redundant Incremental Encoders

NEW!

The RM44 and RMF44 redundant are non-contact magnetic encoders with two independent outputs. The redundancy is realized only on the sensor and driver side. This configuration can be used to monitor the encoder position via two independent channels. The encoders use only one magnet. The encoders are suitable for demanding applications that require a higher level of safety.



REDUNDANCY



NON-CONTACT



SIMPLE
INSTALLATION



Why choose RM44/RMF44 redundant

FEATURES:

- ✓ Accuracy to $\pm 0.5^\circ$
- ✓ Dual incremental outputs
- ✓ Resolution up to 4,096 cpr
- ✓ 5 V power supply versions
- ✓ High speed

BENEFITS:

- ✓ For high volume OEM applications
- ✓ Redundancy for safety applications
- ✓ Industry standard output formats
- ✓ Excellent degree of protection to IP68 (for RM44)



AGVs



PACKAGING



INDUSTRIAL
AUTOMATION



AGRICULTURAL
AUTOMATION



MOTOR
CONTROL

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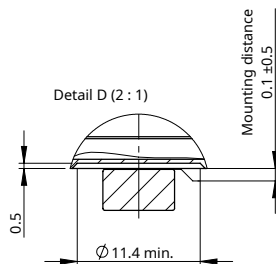
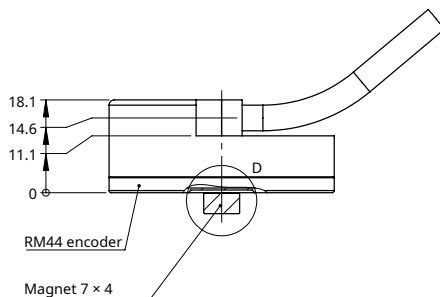
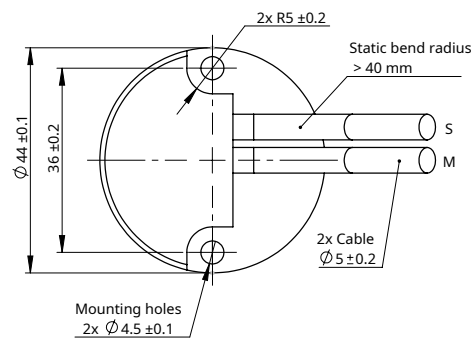
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Technical specifications

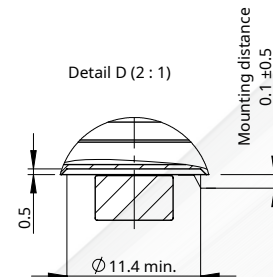
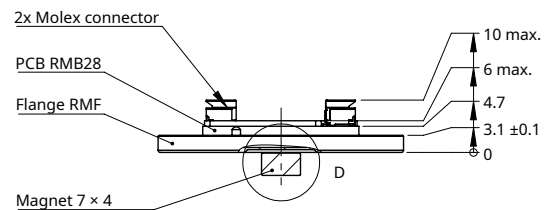
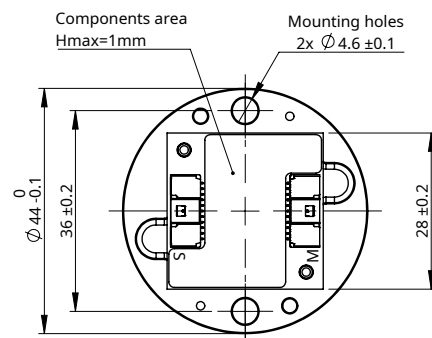
ELECTRICAL DATA	
Power supply	5 V (no common connections between two encoders)
Output types	Encoder 1: ABZ, RS422 line driver Encoder 2: ABZ, RS422 line driver
Accuracy	Up to 0.5°
Maximum resolution	12 bits
Maximum speed	30,000 rpm
MECHANICAL DATA	
Encoder housing/flange material	Zamak
Magnet material	SmCo ($\text{Sm}_2\text{Co}_{17}$), NiCuNi coated
Magnet dimensions	7 × 4 mm

Dimensions

RM44



RMF44



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