

RLC2IA

Miniature Incremental Magnetic Encoder Module

RLC2IA is a PCB-level encoder with a 24 V incremental push-pull output signal.

Encoder system consists of a PCB sensor and a magnetic scale or ring. It is designed for embedded motion control applications as a position control loop element in applications with limited space. It guarantees a highly repeatable position measurement under wide mounting tolerances and temperature ranges.

24

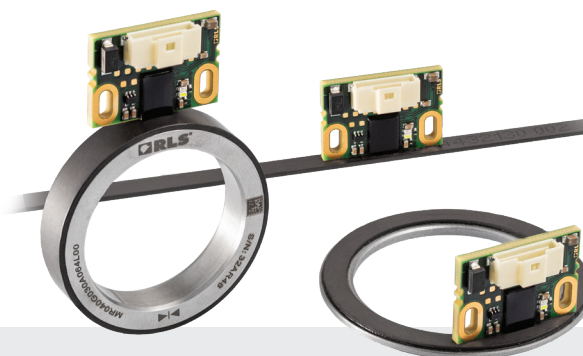
24 V POWER
SUPPLY



EASY
INSTALLATION



IN SMALL SIZE



NEW

Why choose RLC2IA Miniature Incremental Encoder?

FEATURES:

- ✓ Incremental push-pull output (24 V)
- ✓ Unique or periodic bidirectional reference mark
- ✓ High system accuracy up to $\pm 10 \mu\text{m}$
- ✓ High threshold logic (HTL)

BENEFITS:

- ✓ For use with scales, radial and axial rings
- ✓ Non-contact and wear-free measuring principle
- ✓ Miniature design
- ✓ Status indicator LED



ELECTRIC
MOTORS



PRINTING
TECHNOLOGY



ASSEMBLY LINES



SMT PICK AND
PLACE



ROBOTIC JOINTS

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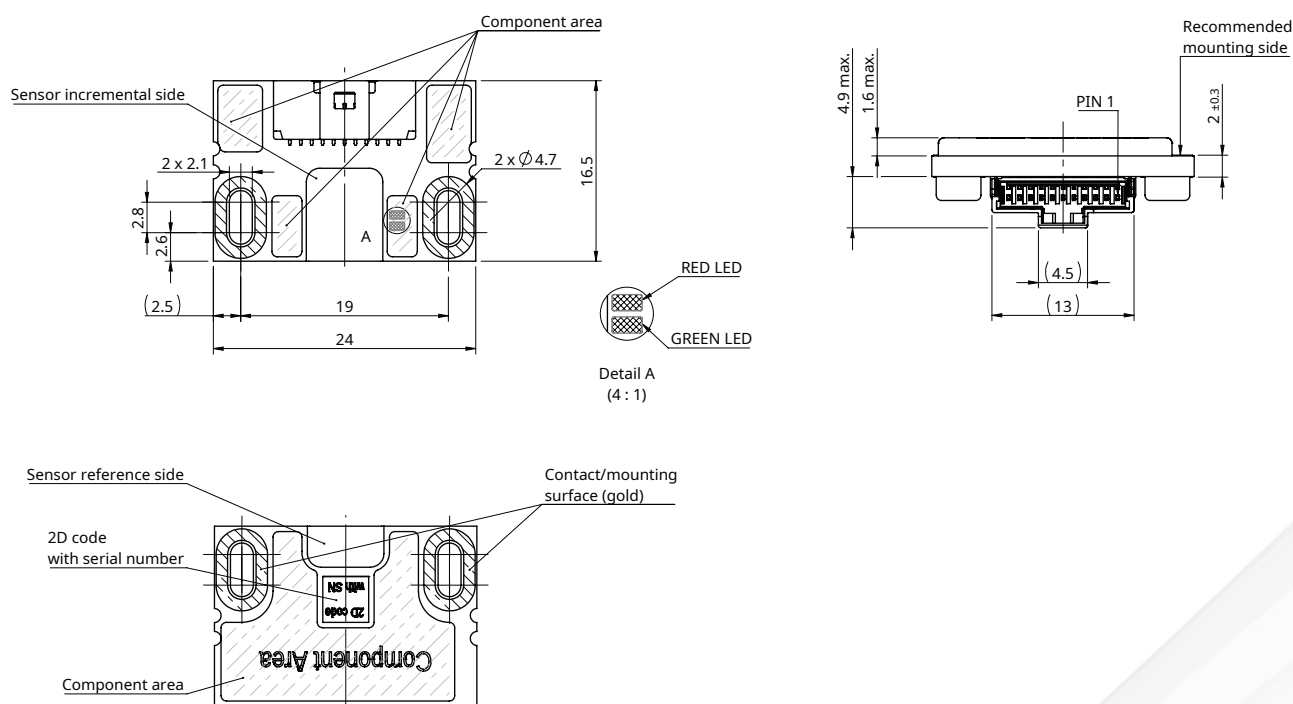
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RLC2IA technical specifications

SYSTEM DATA	
Reading type	Linear, axial, radial reading
Output type	Incremental, push-pull
Resolution	Up to 13 bit
Accuracy	Up to $\pm 10 \mu\text{m}$
ELECTRICAL DATA	
Supply voltage	24 V $\pm 10\%$ (on the readhead)
Connection type	Molex 501568-1107
ENVIRONMENTAL DATA	
Operating and storage temperature	-40 to $+105^\circ\text{C}$
Reverse polarity protection	Yes

RLC2IA dimensions

Dimensions and tolerances are in mm. Dimensions without tolerance values are in accordance with ISO 2768-m.



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