HuLa™
Super Small Through-hole Off-axis Rotary Encoder

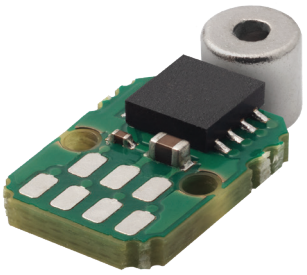
THROUGH-HOLE

ABSOLUTE

SMALL SIZE

The HuLa™ off-axis rotary encoder is an ultra-miniature encoder engineered for the most space-critical hollow-shaft designs.

Its compact design, paired with miniature ring magnets, enables integration onto shafts directly through the centre of rotation. Frictionless, non-contact sensing delivers absolute position feedback in applications where other encoders cannot fit.



COMING SOON

Why choose **HuLa**?

- Multiple ring magnet sizes: 3 mm and 6 mm OD
- Ultra-compact 6 × 8 mm PCB
- System accuracy of ±2°
- SPI interface
- 3.3 V DC power supply
- For space-constrained applications
- Hollow-shaft integration
- Lightweight, low-inertia ring magnets
- Wide installation tolerances
- Non-contact, frictionless design

HUMANOID ROBOTIC HANDS AND FINGERS | PAN/TILT POSITIONING | MINIATURE ROBOTIC GRIPPERS | MEDICAL | MOTOR CONTROL

RLS d. o. o.
Poslovna cona Žeje pri Komendi
Pod vrbami 2
SI-1218 Komenda, Slovenia

T: +386 1 5272100
E: mail@rls.si
www.rls.si

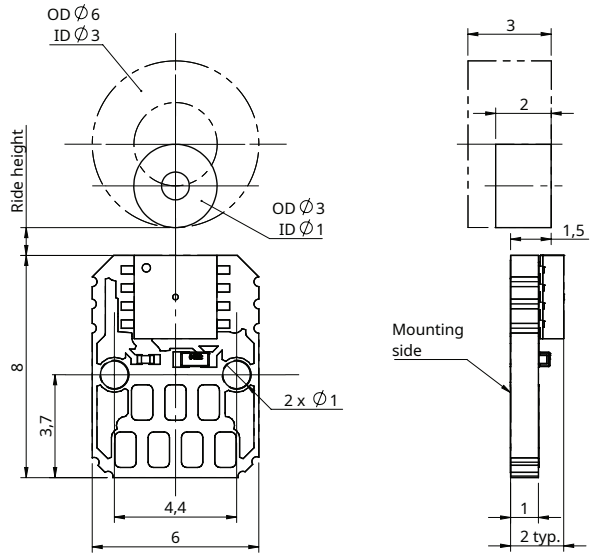
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HuLa™ technical specifications

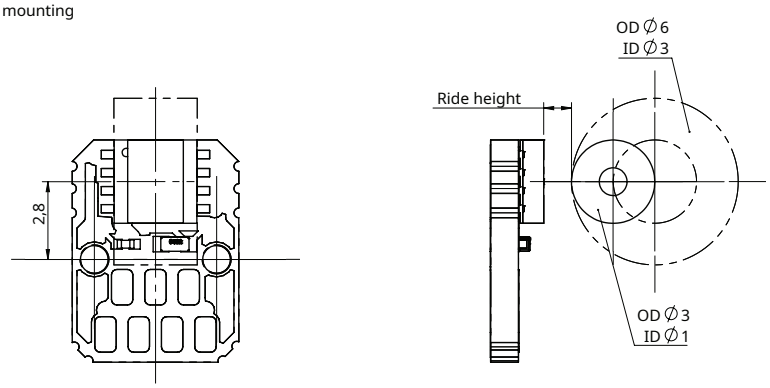
Electrical data	
Maximum resolution	13 bits
Accuracy	±2°
Maximum speed	30,000 rpm
Power supply	3.3 V
Current consumption	<26 mA
Output type	SPI
Mechanical data	
Ride height	0.8 mm
Mounting method	Adhesive bonding and pin positioning (screwless)
Environmental data	
Operating and storage temperature	–40 °C to +85 °C

HuLa™ dimensions

In plane mounting



Stacked mounting



All dimensions in mm.

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