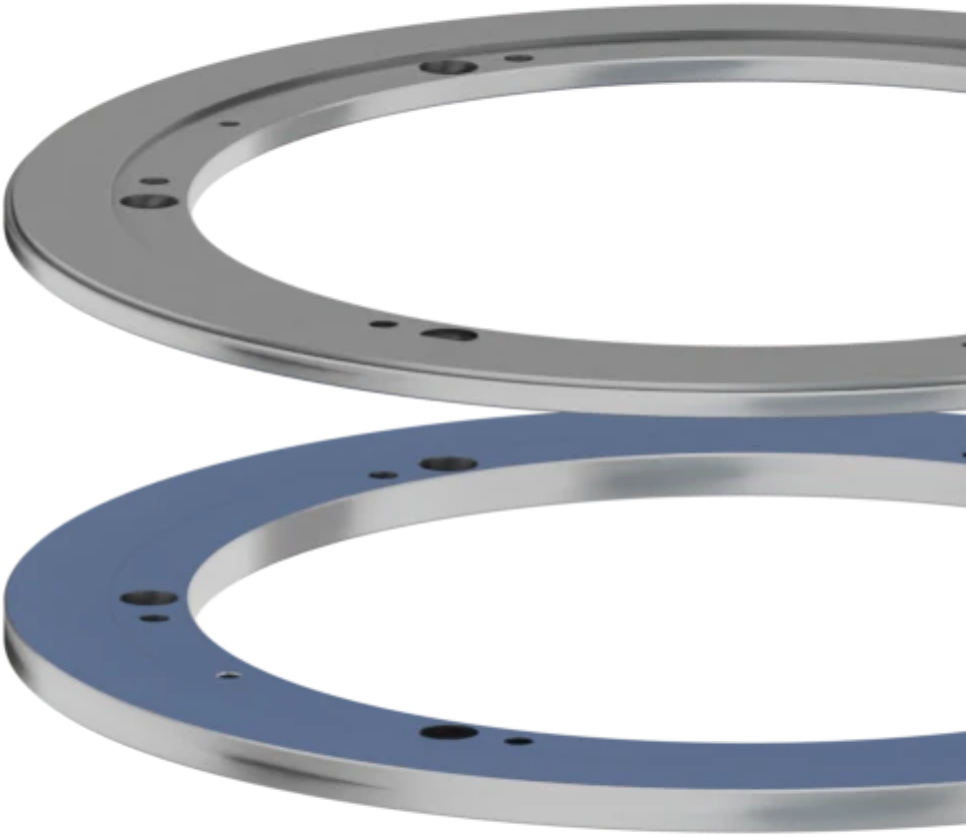
variables/V-color

Encoder | INDUCTIVE Rotary | IND-MAX-200



System Data

	IND-MAX-200
Type	Axial, frameless, true absolute, inductive measuring principle
Standard Resolution	23 bits
ENOB in entire mounting tolerance range	22 bits
High Accuracy	Enhanced accuracy can be achieved depending on the mounting setup
Standard Accuracy	± 007“,± 0.002°,± 035 µrad
Thickness	10.95
Hysteresis	none
Repeatability	1 resolution count
Position update rate and signal latency	Real-time
Power-up Time	max. 0.8 sec

Electrical Data

Supply voltage min.4.35Vdc.max.36Vdc

Reverse polarity protection	yes
Current Consumption	max. 150 mA @ 5 Vdc max. 50 mA @ 24 Vdc

Mechanical Data

Stator Base Material	Anodized aluminum CTE ~ 24 ppm/°C
Stator Weight	225.00 g
Rotor Base Material	Anodized aluminum CTE ~ 24 ppm/°C
Rotor Weight	140.00 g
Vibration	EN 60068-2-6, 20 g, 55 .. 2000 Hz
Shock	EN 60068-2-27, 200 g, 6 ms

Mounting Tolerances

Nominal Axial (air-gap)	0.50 mm
Axial Tolerance	0.30 mm (0.20 mm to 0.80 mm)
Radial Tolerances	0.20 mm

Environmental Data

Temperature Range - Standard Operating	-20°C .. +85°C
Temperature Range - Standard Storage	-20°C .. +85°C
Temperature Range - Extended Operating	-40°C .. +105°C
Temperature Range - Extended Storage	-55°C .. +125°C

Ingress Protection	IP67
EMC Immunity	complies with EN IEC 61000-6-2
EMC Emission	complies with EN IEC 61000-6-4

Advantages

- Plug-n-play
- No field calibration required
- Wide mounting tolerances
- High accuracy

Benefits

- Low installation cost
- Low integration effort
- Easy installation

expertise in connectivity