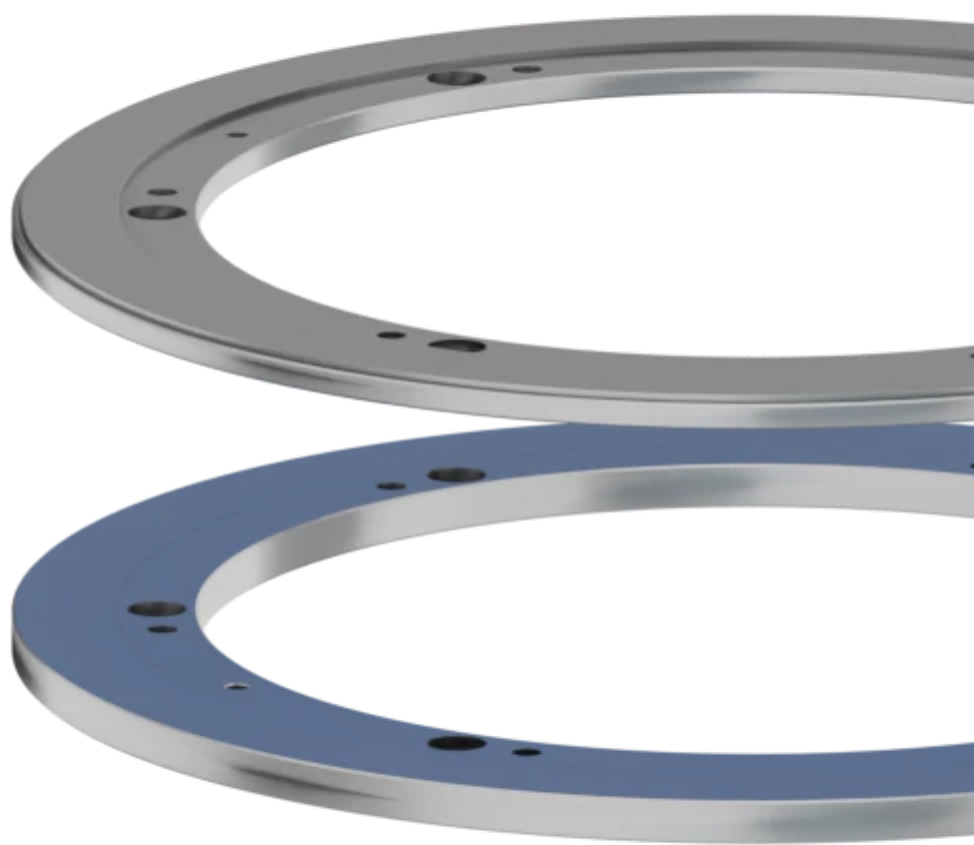


variables/V-color

# **Encoder | INDUCTIVE Rotary | IND-MAX-200**







## System Data

### IND-MAX-200

<b>Type</b>	Axial, frameless, true absolute, inductive measuring principle
<b>Standard Resolution</b>	23 bits
<b>ENOB in entire mounting tolerance range</b>	22 bits
<b>High Accuracy</b>	Enhanced accuracy can be achieved depending on the mounting setup
<b>Standard Accuracy</b>	$\pm 007''$ , $\pm 0.002^\circ$ , $\pm 035 \mu\text{rad}$
<b>Thickness</b>	10.95
<b>Hysteresis</b>	none
<b>Repeatability</b>	1 resolution count
<b>Position update rate and signal latency</b>	Real-time
<b>Power-up Time</b>	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

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



## Mounting Tolerances

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



## Environmental Data

<b>Temperature Range - Standard Operating</b>	-20°C .. +85°C
<b>Temperature Range - Standard Storage</b>	-20°C .. +85°C
<b>Temperature Range - Extended Operating</b>	-40°C .. +105°C
<b>Temperature Range - Extended Storage</b>	-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

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**Advantages**



**Benefits**

- Plug-n-play
- No field calibration required
- Wide mounting tolerances
- High accuracy
- Low installation cost
- Low integration effort
- Easy installation



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