

variables/V-color

Encoder | GMI® Angle | GMI-ANG-250





System Data

GMI-ANG-250

Type	Axial, frameless, true absolute Giant Magneto Impedance encoder GMITechnology-FLUX GmbH proprietary
Standard Resolution	25 bits
ENOB in entire mounting tolerance range	23 bits
High Accuracy	$\pm 3''$, 0.001° , $\pm 16\mu\text{rad}$
Standard Accuracy	$\pm 4''$, 0.001° , $\pm 20\mu\text{rad}$
Thickness	10.80
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	OptionAV: min. 4.35Vdc. max. 36Vdc Option5V: min. 4.35Vdc. max. 6Vdc Option24V: min. 6Vdc. Max. 30Vdc
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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



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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