

Danaher - Dynapar Encoders

AI2512141C92F



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The **AI2512141C92F** is a part of the **Dynapar Encoders Series** by **Danaher**.

Specifications

Absolute Accuracy:	±0.01° mechanical (36 arc?sec)	Current Consumption (multi-turn):	250 mA	Current Consumption (single-turn):	220 mA
Enclosure Rating:	IP64 or IP67	Frequency Response:	Auto 9.6 kBaud 12 MBaud	Humidity:	Up to 75% non-condensing
Interface:	Profibus?DP (Encoder Profile)	Max Load (10 mm shaft):	9 lb axial; 13 lb radial	Max Load (6 mm shaft):	13 lb axial; 24 lb radial
Max Shaft Speed:	10,000 RPM cont; 12,000 RPM peak	Noise Immunity:	EN 61326?1 compliant	Operating Temperature:	-40°C to +85°C
Power Supply:	10 30 VDC	Repeatability:	±0.002° mechanical (7.2 arc?sec)	Resolution (multi-turn):	12 bit
Resolution (single-turn):	10 14 bit	Shock Resistance:	1,000 m/s² for 6 ms	Storage Temperature:	-40°C to +100°C
Vibration Resistance:	100 m/s² (10 2,000 Hz)	Last Verified:	07/16/2025 4:32 AM		

Contact Us

 1620 Old Apex Road, Cary, NC 27513, USA

 Toll Free: [1-888-551-3082](tel:1-888-551-3082)

 International: [1-919-443-0207](tel:1-919-443-0207)

 Fax: [1-919-867-6204](tel:1-919-867-6204)

 Email: sales@automation-factory.com

Shipping Options



Payment Methods



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