

# A860-2120-V003 Fanuc 24VDC 12kHz AiBZ Spindle Encoder Datasheet



**Brand:** Fanuc

**SKU:** [1000994527020](#)

**Category:** Feedback & Encoders

**Price:** **\$1,692.86**

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Product Page:

<https://www.equipspares.com/product/a860-2120-v003-fanuc-24vdc-12khz-aibz-spindle-encoder>

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## Product Description

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The Fanuc A860-2120-V003 is a 24 VDC, 12 kHz AiBZ absolute multi-turn spindle encoder featuring a 0.45 kg industrial-grade reinforced housing and an integral cable with included connectors. This sensor kit utilizes a flange-mount design with a secure mounting ring to ensure precise mechanical alignment. It operates within a 0 to 60 °C temperature range and tolerates up to 95 % non-condensing relative humidity, utilizing the proprietary Fanuc serial interface for high-resolution position and speed feedback.

### A860-2120-V003 Specifications

Model Number: A860-2120-V003

Manufacturer: Fanuc

Product Category: Spindle Encoder / Pulse Coder

Sensor Type: AiBZ (Absolute, Multi-turn)

Operating Voltage: 4 to 24 VDC

Operating Frequency: Up to 12 kHz

Communication Protocol: Fanuc Serial Interface

Mounting Style: Flange-mount with Mounting Ring

Operating Temperature: 0 to 60 °C

Storage Temperature: -20 to 60 °C

Relative Humidity: 95 % or less (non-condensing)

Ingress Protection Rating: IP64

Weight: 0.45 kg (1.00 lbs)

Enclosure Material: Industrial-grade reinforced housing

Connection Type: Integral cable with connectors

HS Code: 85030090

#### A860-2120-V003 Applications

Primary applications include integration into Fanuc AC spindle motor systems, CNC machining centers, and automated production lines requiring closed-loop servo feedback. Deployed within high-speed robotic systems and precision tool positioning equipment to monitor spindle rotation and maintain accurate motion control.

## Supplemental Images

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