

A860-2000-T301 FANUC 1000000PPR IP65 Absolute Pulse Coder Datasheet



Brand: Fanuc

SKU: [1046054602690](#)

Category: Feedback & Encoders

Price: **\$1,785.71**

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Product Page:

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Product Description

FANUC A860-2000-T301 1 000 000 PPR absolute pulse coder features an integrated Oldham coupling interface and IP 65 ingress protection. This Alpha i A1000 series component utilizes a 10 pin male connector for serial data transmission and is housed in a ruggedized enclosure for protection against dust and liquid ingress. The internal mechanism supports rotational speeds up to 3 000 RPM while maintaining precise absolute position data through power cycles via a backup capacitor system. The unit is constructed with a compact flange mount and EMI-resistant differential line driver circuitry to ensure signal integrity.

A860-2000-T301 Specifications

Model: A860-2000-T301

Brand: FANUC

Product Series: Alpha i A1000

Type: Absolute Pulse Coder

Resolution: 1 000 000 PPR

Interface: Serial Communication

Connector: 10 pin Male

Coupling Type: Oldham Coupling

Ingress Protection: IP 65

Rated Speed: 3 000 RPM

Weight: 0.29 kg

Dimensions: 5.0 x 10.0 x 10.0 cm

Controller Compatibility: R-J3, R-J3iB, R-30iA, R-30iB

Motor Compatibility: Alpha Series Servo Motors

Output Type: Differential Line Driver

Feedback Type: Absolute Position

Mounting Type: Flange Mount

Signal Type: Digital Serial

A860-2000-T301 Applications

Primary applications include integration into CNC machine tool spindle and feed axis feedback systems for high-precision milling and machining centers. Deployed within robotic joint assemblies and gantry systems to provide sub-micron positioning data for closed-loop velocity and position control.

Supplemental Images

