

Pepperl Fuchs ENI90PL-H25JA5-1024UD1-RC1 Incremental rotary encoder

Our Product Introduction

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Basic Information

- Place of Origin: Germany
- Brand Name: PEPPERL FUCHS
- Model Number: ENI90PL-H25JA5-1024UD1-RC1
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



Product Specification

- Manufacturer: PEPPERL FUCHS
- Product No: ENI90PL-H25JA5-1024UD1-RC1
- Display Elements: LEDs
- Control Elements: DIP Switch
- Linearity Error: $\pm 0.025^\circ$
- No-load Supply Current: Max. 50 MA
- Rise Time: 300 Ns
- Output Frequency: Max. 400 KHz
- Highlight: **ENI90PL-H25JA5-1024UD1-RC1, Pepperl Fuchs Incremental rotary encoder**



More Images



Product Description

Pepperl Fuchs ENI90PL-H25JA5-1024UD1-RC1 Incremental rotary encoder

General specifications

Detection type photoelectric sampling

Linearity error $\pm 0.025^\circ$

Pulse count max. 5000

Functional safety related parameters

MTTFd 435 a

Mission Time (TM) 10 a

Diagnostic Coverage (DC) 0 %

Electrical specifications

Operating voltage 4.75 ... 30 V DC

No-load supply current max. 50 mA

Output

Output type push-pull or RS422 (universal output driver, output level depending on input voltage)

Load current max. per channel 40 mA , short-circuit protected, reverse polarity protected

Output frequency max. 400 kHz

Rise time 300 ns

Phase position A to B

Pulse counts < 3600 $90^\circ \pm 9^\circ$ electrical

Pulse counts ≥ 3600 $90^\circ \pm 25^\circ$ electrical

Duty cycle $1/2 \pm 10\%$

Connection

Connector M12 connector, 8-pin

M12 connector, 5 pin

M23 connector, 12-pin , clockwise rotation

M23 connector, 12-pin , counter clockwise rotation

10-pin MIL connector

7-pin MIL connector

Cable $\varnothing 6$ mm, 4 x 2 x 0.14 mm²

Standard conformity

Degree of protection DIN EN 60529, IP65, IP66, IP67

Climatic testing DIN EN 60068-2-78 , no moisture condensation

Emitted interference EN IEC 61000-6-4:2019

Noise immunity EN IEC 61000-6-2:2019

Shock resistance DIN EN 60068-2-27, 300 g, 6 ms

Vibration resistance DIN EN 60068-2-6, 30 g, 10 ... 2000 Hz

Approvals and certificates

UL approval E223176 , cULus Listed, General Purpose, Class 2 Power Source, Type 1 enclosure , if UL marking is marked on the product.

For use in NFPA 79 Applications only. adapters providing field wiring on request

Maximum permissible ambient temperature max. 80 °C (max. 176 °F)

Ambient conditions

Operating temperature -40 ... 85 °C (-40 ... 185 °F) , cable, fixed installation

-5 ... 85 °C (23 ... 185 °F) , movable cable

Storage temperature -40 ... 85 °C (-40 ... 185 °F)



Achievers Automation Limited

13828861501

joanna@achieversautomation.com

achieversinstruments.com

RM 509, 5/F, THE CLOUD, 111, TUNG CHAU STREET, TAI KOKTSUI, KOWLOON, HONG KONG