

HAZARDOUS LOCATION CERTIFIED ENCODERS



Explosion Proof Certified Rotary Encoders for Hazardous Locations

POSITAL is expanding its range of IXARC explosion proof rotary encoders to include UL hazardous environments certified models designed to operate safely in environments that contain potentially dangerous levels of explosive dust or gases. These devices would be complying with UL hazardous environments which would be suitable for use in mines, oil and gas facilities, agricultural applications, chemical plants, paint or woodworking factories and milling applications.

- > UL Hazardous Locations Certified
- > Wide Range of Communication Interfaces
- > Magnetic Sensing Technology
- > Up to 16 bit Resolution and 20 bit Revolution
- > Class I, Division 2, Group A, B, C and D
Class II, Division 2, Group F and G, Class III
- > Terminal Box Connection with Conduit Entry

Variety of Interfaces



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Specifications

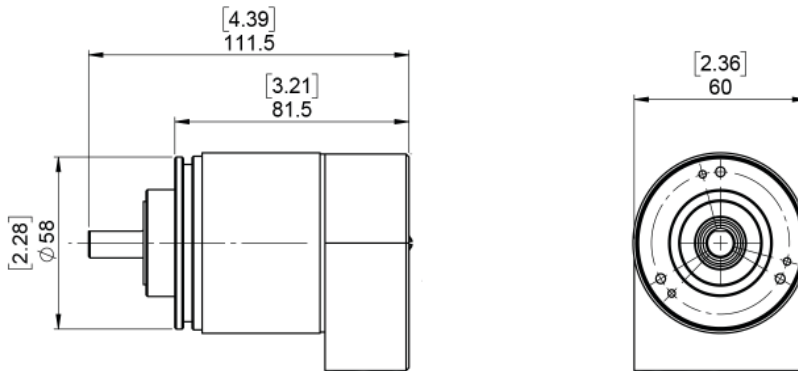
Mechanical and Environmental

Encoder Size:	ø 58mm
Mounting Style:	Shafted or Hub-shafted
Flange Style:	Clamp, Synchro, Blind Hollow, Square
Shaft Sizes:	ø 6, 10, 12, 15 mm, 1/4", 3/8"
Hub Shaft Sizes:	ø 6, 10, 12, 15 mm, 1/4", 3/8", 1/2", 5/8"
Operating Temperature:	-40°C to +70°C
Material:	Steel/Aluminum, Stainless Steel V2A (303) and V4A (316L)
Enclosure Rating:	Up to IP66/67

Electrical

Connection Type:	Connection Cap with Screw Terminal inside and Conduit Entry
Connection Orientation:	Radial
Single-turn Resolution:	Up to 16 Bit
Multi-turn Resolution:	Up to 20 Bit
Pulses Per Revolution:	1-16384 (Incremental Programmable)
Accuracy:	±0.0878° (≤ 12 bit)
Communication:	Incremental, Analog ,SSI ,Modbus RTU, CANopen, J1939,Profibus DP, IO-Link, Profinet, EtherNet/IP, EtherCAT

Dimensional Drawing



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