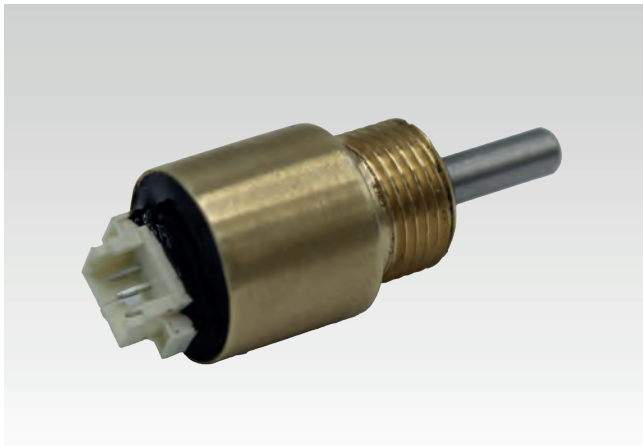


Miniature Absolute Magnetic Shaft Encoder

Technical data / Features



FNC MA12 Series



Features

- Miniature size (12,2 mm diameter)
- Non-contacting magnetic single chip sensing technology
- 12-bit Analog output
- Ratiometric output versus position

Technical data-electrical ratings

Voltage supply	4.5 - 5.5 VDC Typ:5VDC
Protection	Output short circuit protection. Reverse polarity protection
Consumption w/o load	16 mA
Output signals	0 - 5 VDC voltage output
Resolution	12 bit
Position Sampling Rate	2.61 kHz
Output Short Circuit Current	55 mA
Power-up Time	40 mS

Technical data-mechanical ratings

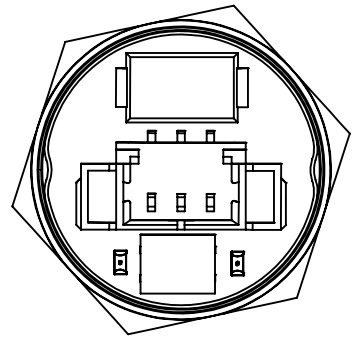
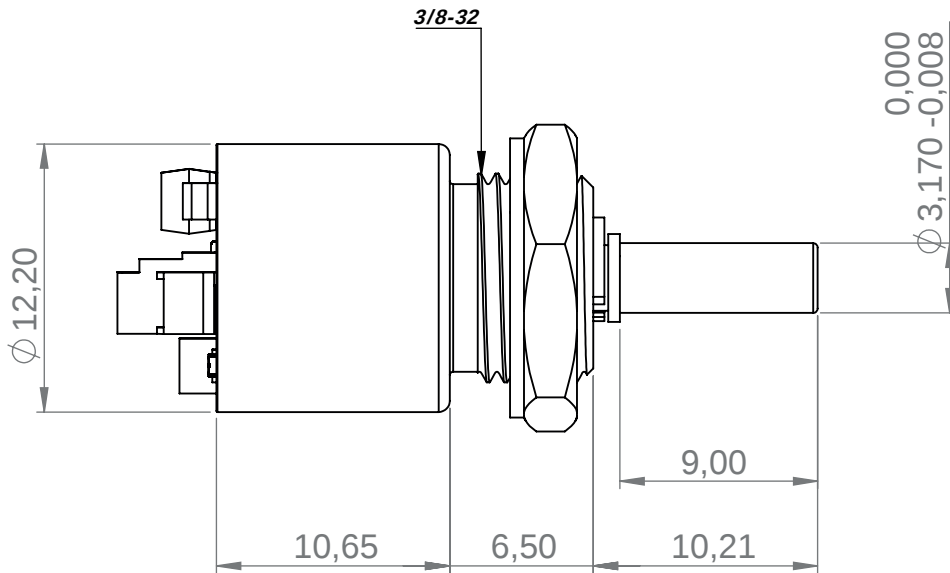
Dimensions (flange)	Ø12.2 mm
Shaft diameter	1/8", 3mm, 4 mm
Operating temperature	-20...+85°C
Storage temperature	-40°C up to +125°C
Vibration (5Hz to 2kHz)	20G

Miniature Absolute Magnetic Shaft Encoder

Mechanical Dimensions
Pulse Diagram, Cable / Connector Wiring

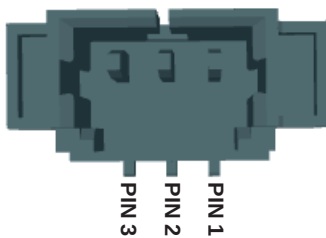
FNC MA12 Series

Mechanical Dimensions



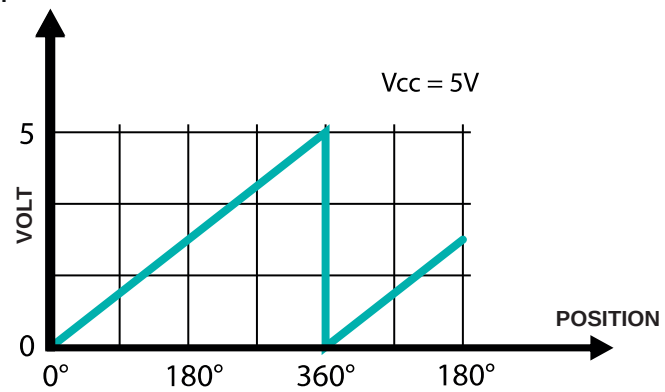
Cable Connection

Function	Pin
+5VDC	1
Analog Output	2
GND	3



Pulse Diagram

OUTPUT



Miniature Absolute Magnetic Shaft Encoder

Part Number



FNC MA12 Series

Encoder Part Number

