

FNC F229K UVW Series



Features

- Designed for motor feedback applications
- Both A, B, Z incremental and U, V, W commutation signals
- Differential RS 422 incremental output signals.
- Non-contact magnetic technology
- 22 mm diameter body

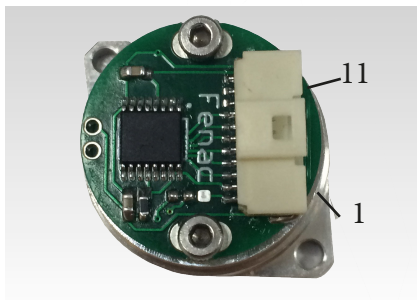
Technical data - electrical ratings

Voltage supply	5VDC $\pm$ %5
Interface	ABZ ; Line Driver RS422 UVW ; ($\pm$ 24 mA output drive)
Resolution (steps/turn) :	up to 4096 CPR
Commutatiton Signals :	up to 16 pole

Technical data - mechanical design

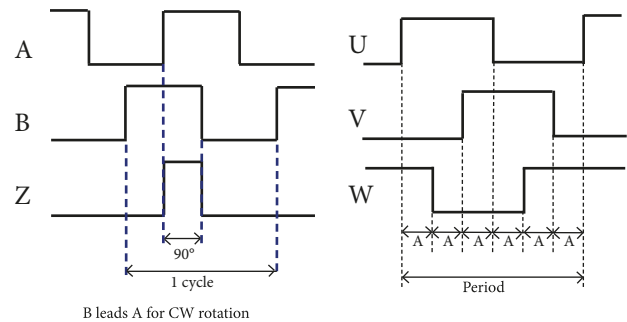
Dimensions	$\varnothing$ 22 mm
Mount Diameter	26 mm
Materials	Housing: Aluminium Cover: Aluminium
Magnet actuator	for integration into 3 mm shaft

Connection



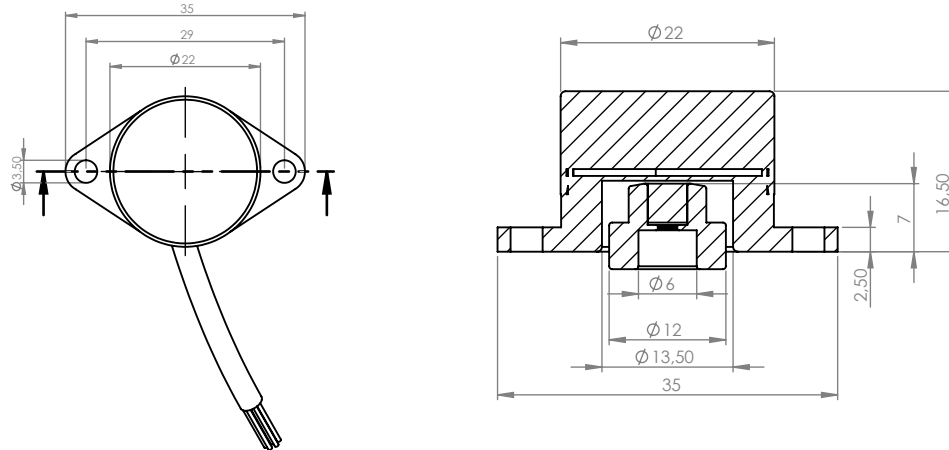
Pin	Function
11	W
10	V
9	U
8	A+
7	A-
6	B-
5	B+
4	Z+
3	Z-
2	+5V
1	GND

Pulse Diagram



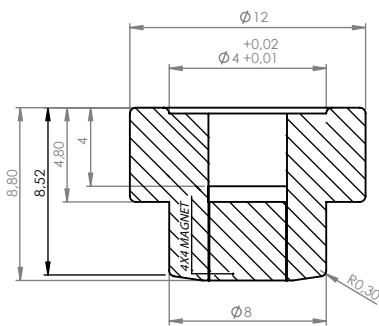
FNC F229K UVW Series

Mechanical Dimensions - Encoder

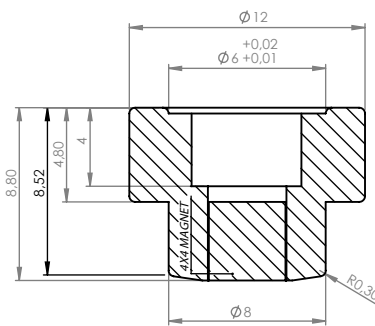


Mechanical Dimensions - Encoder

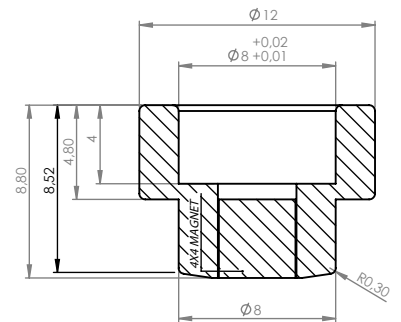
F229MH124



F229MH126



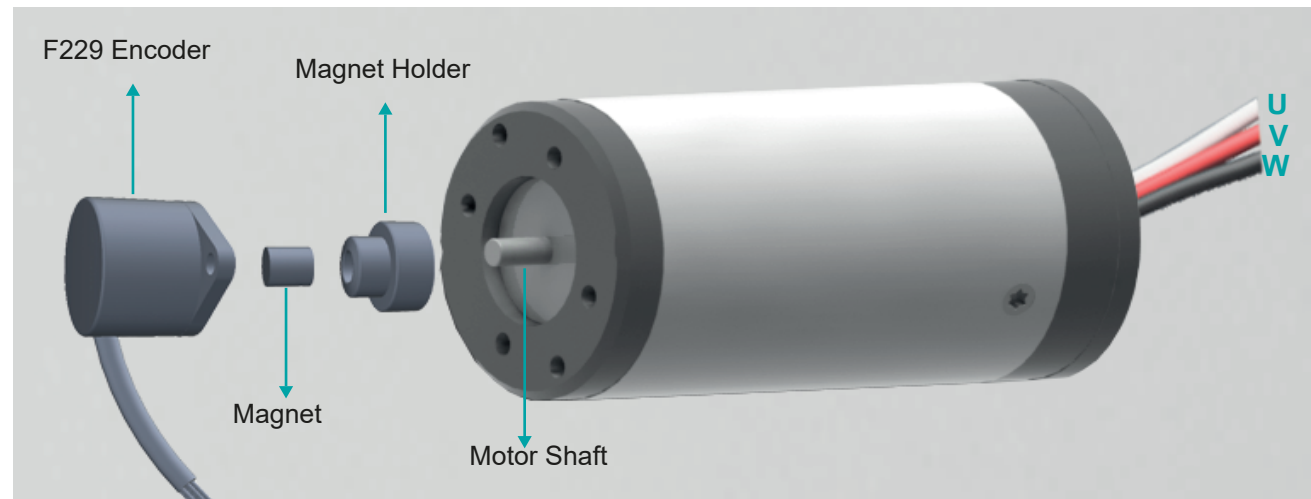
F229MH128



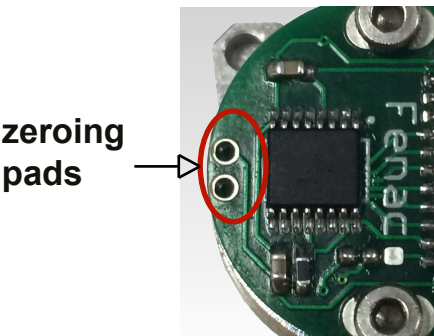
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Installation Guide

Montage



Zero the UVW signals First move the motor to the required zero UVW position. Short together the two zeroing pads.



Encoder Part Number

Commutation Version

F

229

K

A

7

C

Outer Diameter
22: 22 mm

Commutation Signals

A : 2 pole
B : 4 pole
C : 6 pole
D : 8 pole
E : 10 pole
F : 12 pole
G : 14 pole
H : 16 pole

Connection Options

C : Cable
M* : Molex 501568-1107 Connector
* (mating with Molex 501330 -1100)

Resolution

7 : 128 ppr / 512 cpr
8 : 256 ppr / 1024 cpr
9 : 512 ppr / 2048 cpr
10 : 1024 ppr / 4096 cpr

Magnet Holder

F

229

MH

124

Magnet holder type

124 : 4 mm hole
126 : 6 mm hole
128 : 8 mm hole

Incremental Version

F

229

K

1024

C

Outer Diameter
22: 22 mm

Resolution
up to 4096 ppr

Connection Options

C : Cable
M* : Molex 501568-1107 Connector
* (mating with Molex 501330 -1100)