

Miniature absolute encoders

FNC F08 AS Series



Features

- Compact miniature design
- BISS interface with error/warning and CRC bits
- Differential absolute output signals
- Super small non-contact magnetic technology
- 8 mm diameter body

Technical data - electrical ratings

Voltage supply	5VDC \pm %5
Interface	SSI or BISS
Resolution (steps/turn)	up to 14 bit

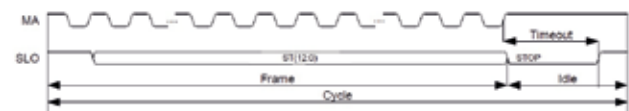
Technical data - mechanical design

Dimensions	8 mm
Materials	Housing : Aluminium
Magnet	4x4 mm NdFeB
Wire thickness	AWG28

Connections

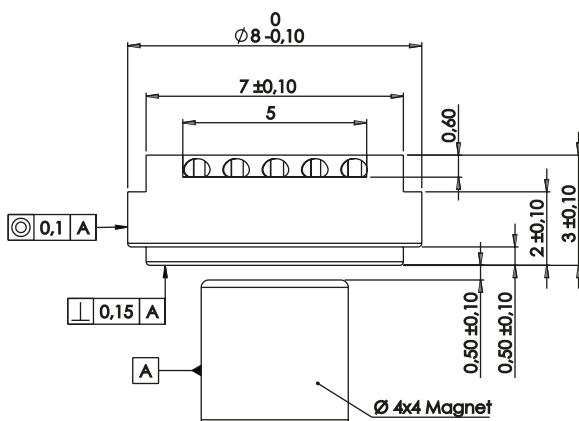
Function	Color	Renk	Explanation
+5V	Brown	Kahve	Supply Voltage
GND	White	Beyaz	Ground
D+	Orange	Turuncu	Data+
D-	Pink	Pembe	Data-
C+	Blue	Mavi	Clock+
C-	Gray	Gri	Clock-

Timing Diagram



Clock frequency, f	50...2000 kHz for SSI up to 10MHz for BISS
Code	Binary or gray
Status and parity bit	On request
Monoflop time t_m	>15 μ s
Clock time out	Programmable at factory

Mechanical Dimensions



Encoder Part Number

