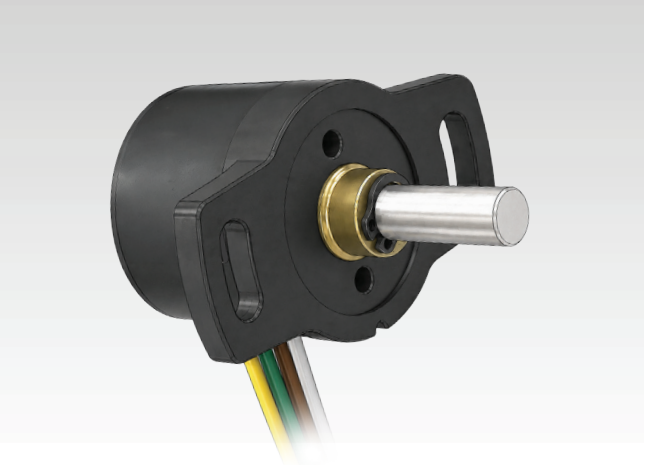
Multi Turn Encoders

No Battery
No Gear

FNC MT 28 Series



Features

- **Designed for motor feedback applications**
- **Non-contact magnetic technology**
- **28 mm diameter body**
- **Long life**
- **Compact dimensions**
- **46 Multi turn**
- **No Battery**
- **No Gear**

Technical data - electrical ratings

Voltage supply	5VDC ±%5
Resolution (steps/turn) :	One per revolution
Interface	SSI or BiSS
Output frequency	up to 2MHz (SSI) up to 10MHz (BiSS)
Output circuit	SSI data linedriver RS485
Consumption w/o load	
Resolution (steps/turn)	
Multiturn	46 turns

Technical data - mechanical design

Dimensions	ø28 mm
Mount Diameter	38 mm
Materials	Housing: ABS (plastic) Shaft : Stainless Steel

Applications

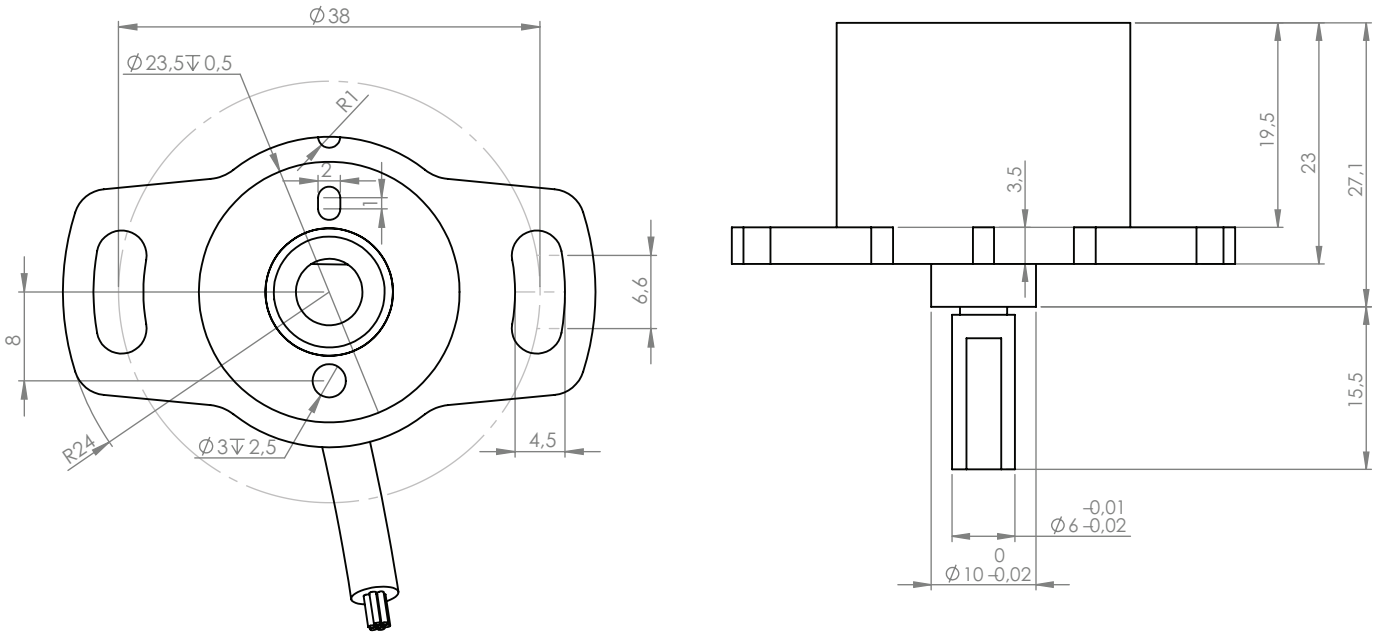
Harvester
Fork-lift
Operating table
Hydraulic pump

No Battery
No Gear

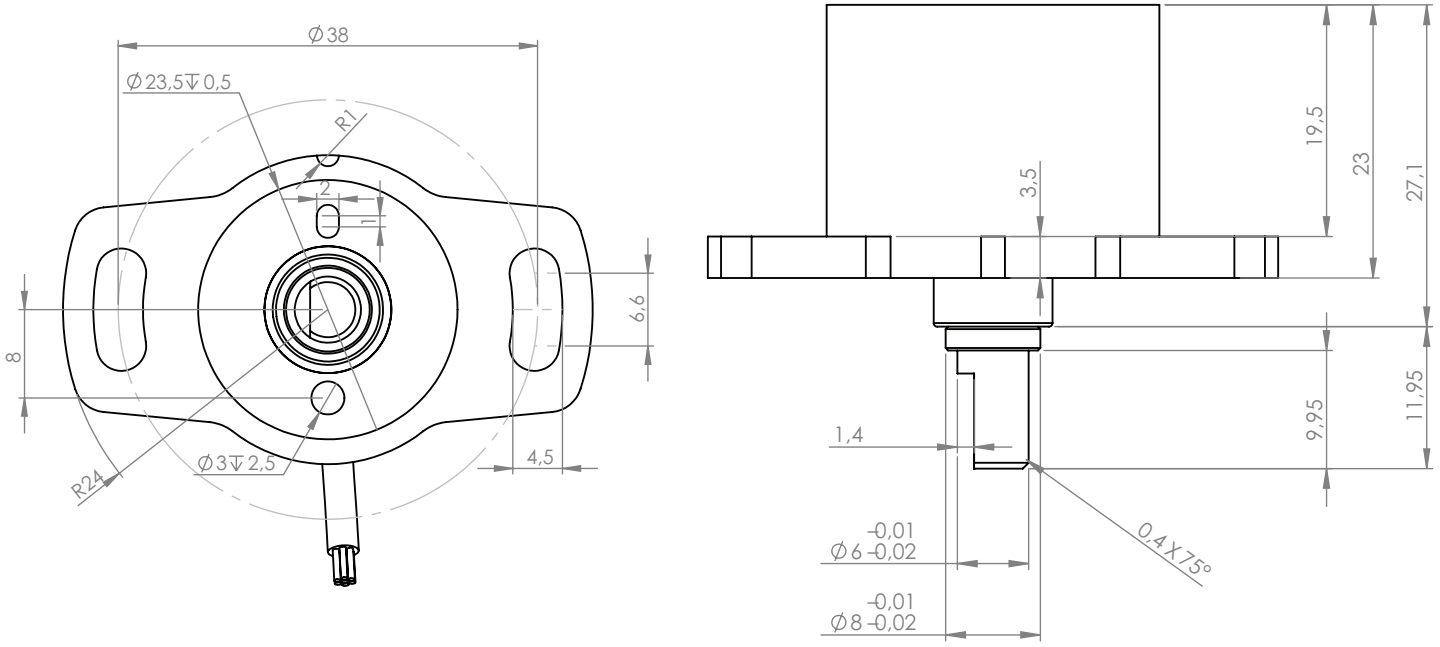
FNC MT 28 Series

Mechanical Dimensions

1 6 mm D form shaft version



2 6 mm shaft, 8 mm notch version 6L12

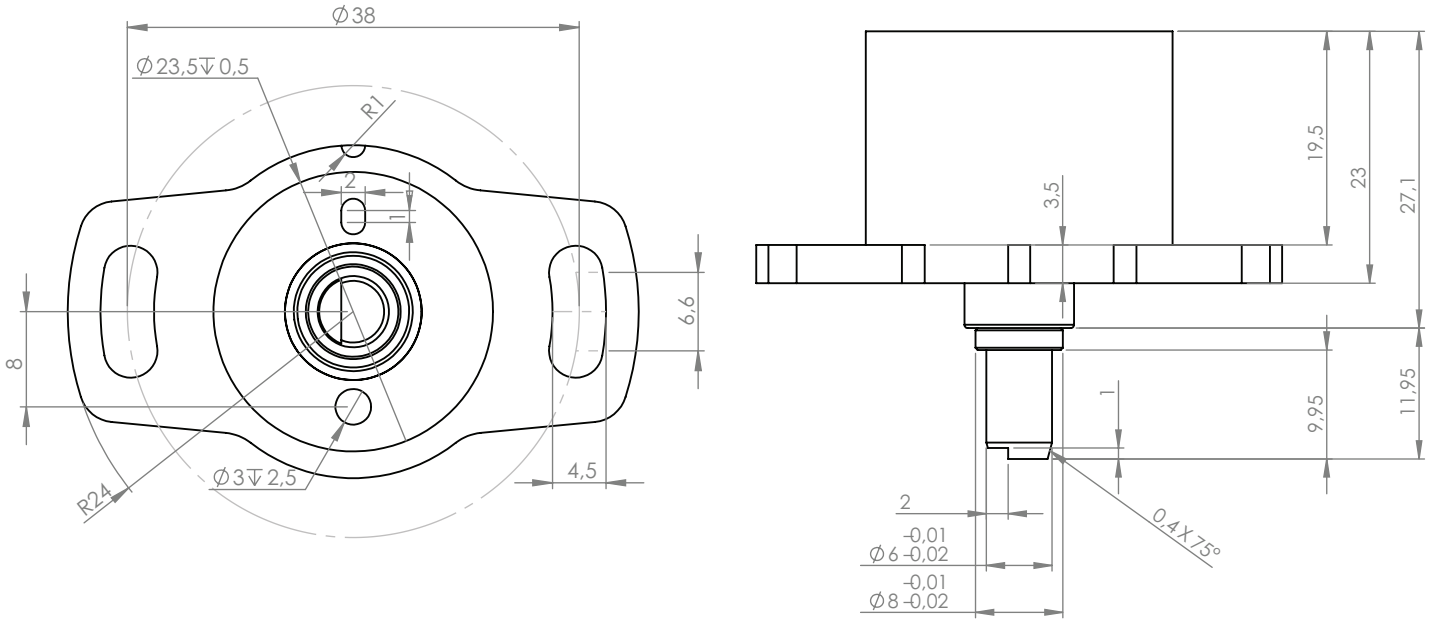


No Battery
No Gear

FNC MT 28 Series

Mechanical Dimensions

3 6 mm shaft, 1 mm notch version 6L12

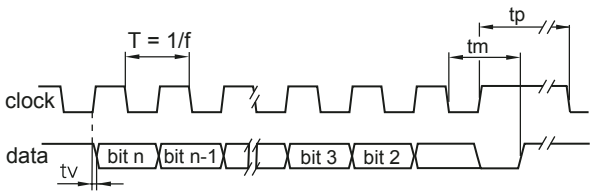


Multi Turn Encoders

No Battery
No Gear

FNC MT 28 Series

Pulse Diagram for Absolute SSI



Clock frequency, f	50...2000 kHz for SSI
Code	Binary or Gray
Status and parity bit	On request
Monoflop time tm	>15µs
Clock time out	Programmable at factory

Cable Connection for Absolute SSI

Function	Color	Renk
+VB	Brown	Kahve
GND	White	Beyaz
DATA+	Orange	Turuncu
DATA-	Orange-Black	Turuncu-Siyah
CLOCK-	Blue	Mavi
CLOCK+	Blue-Black	Mavi-Siyah
DIRECTION	Gray-Black	Gri-Siyah
PRESET	Gray	Gri
Shield	Black	Siyah

Encoder Part Number for Absolute SSI

FNC | MT | 28 | 1 | AS | S21 | MT | 5V | – | R02

Housing
28 : 28 mm

Shaft version
1 : 6 mm D type version
2 : 6 mm shaft, 8 mm notch version
3 : 6 mm shaft, 1 mm notch version

Interface
AS : Absolute SSI

Electrical Connections:
R02 : 20 cm cable

Supply Voltage
5V : 5V

MT : 46 turns

Output Type
S12 : Singleturn up to 12 bit

**Preliminary datasheet