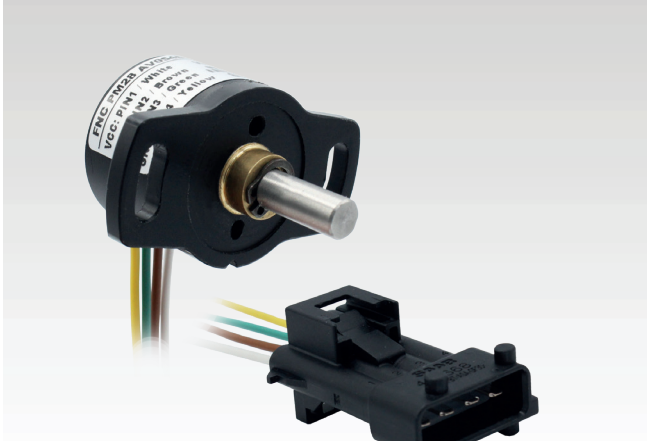
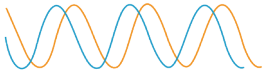


FNC PM28 SinCos



Technical data - electrical ratings	
Measurement Range	0...360°
Resolution	0.1°
Accuracy	<±0.5°
Repeatability	≤ ±0.1°
Response Frequency	≥100 Hz
Maximum Speed	Up to 3,000 rpm
Operating Temperature	-20...+85 °C
Protection Rating	IP54
Supply Voltage	5-30 VDC
Startup Time	≤100 ms
Reverse Polarity Protection	Yes
Overvoltage Protection	Yes
Short-Circuit Protection	Yes

Features

- Non-Contact Magnetic Sensing Technology
- 360° Rotary Angle Measurement
- SinCos Output
- Contactless Operation
- Multiple Shaft Configurations
- Designed for Motor Feedback Applications

Applications

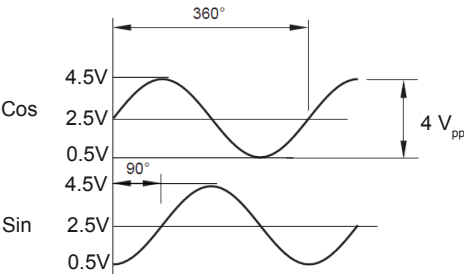
- Electric Motor Position Feedback
- Industrial Automation
- Rotary Actuators
- Valve Position Control
- Robotics
- Mobile Machinery
- Mechanical Positioning Systems
- Angular Position Measurement

Technical data - mechanical design

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

Pulse Diagram

SinCos Output Graph

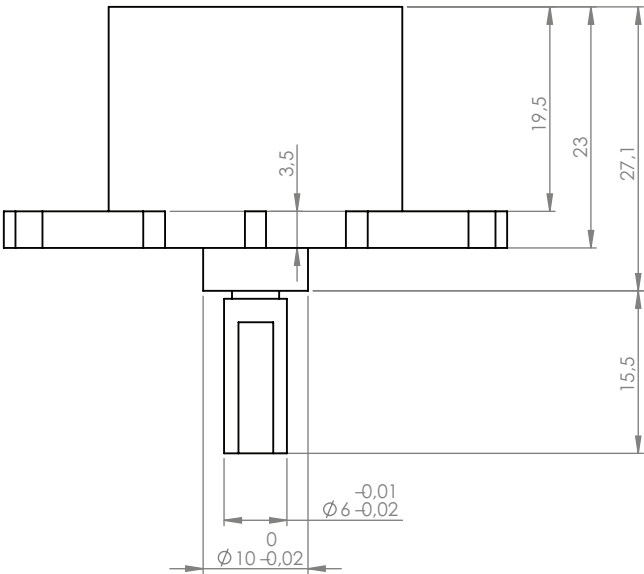
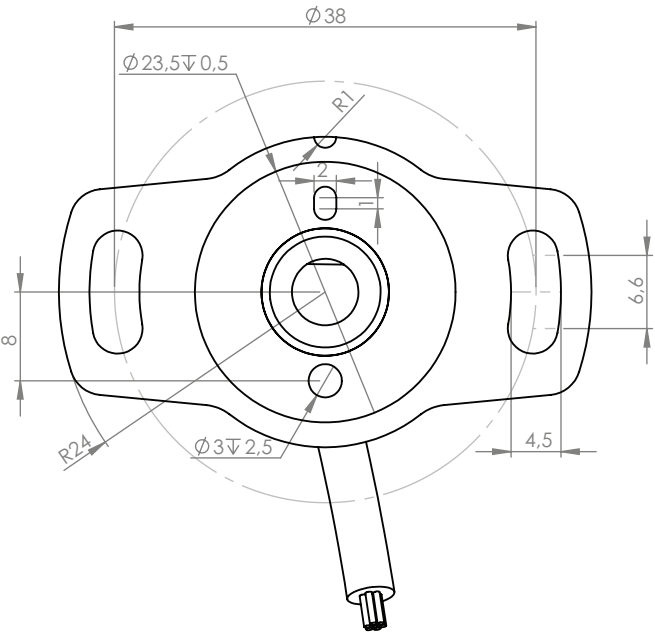


FNC PM28 SinCos

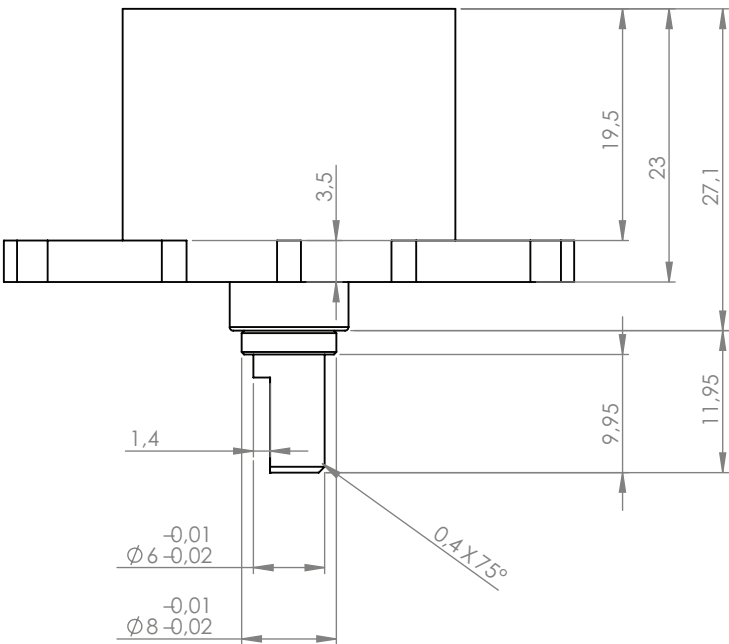
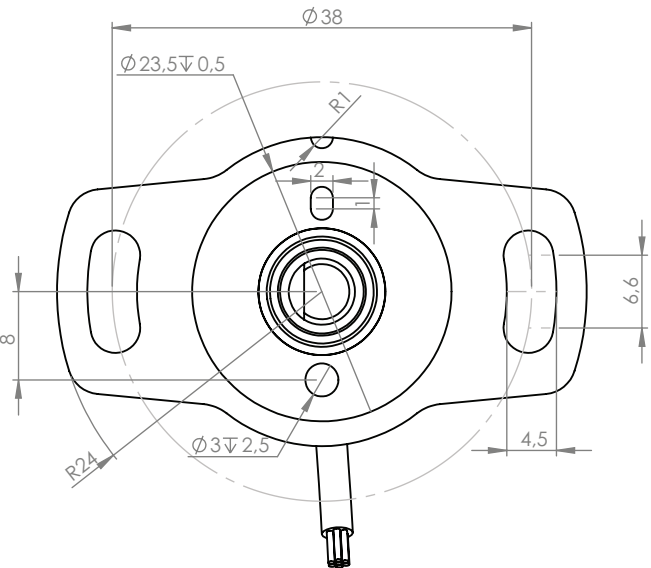


Mechanical Dimensions

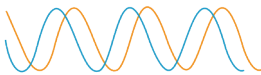
1 6 mm D form shaft version



2 6 mm shaft, 8 mm notch version 6L12

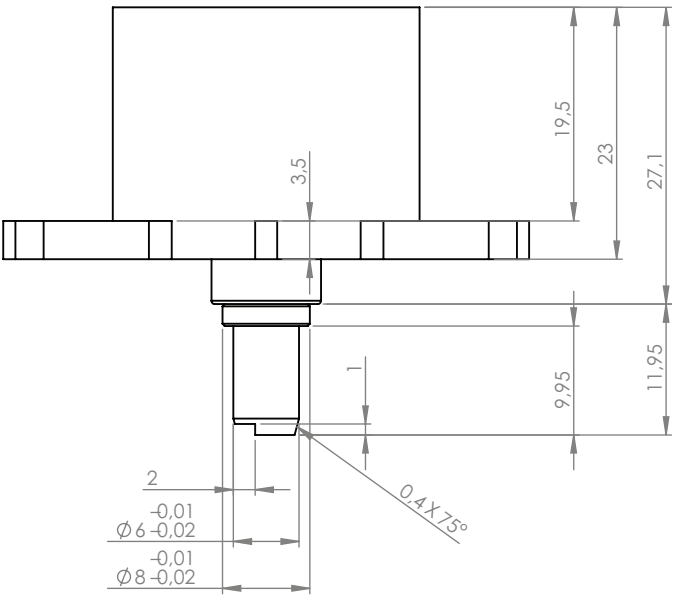
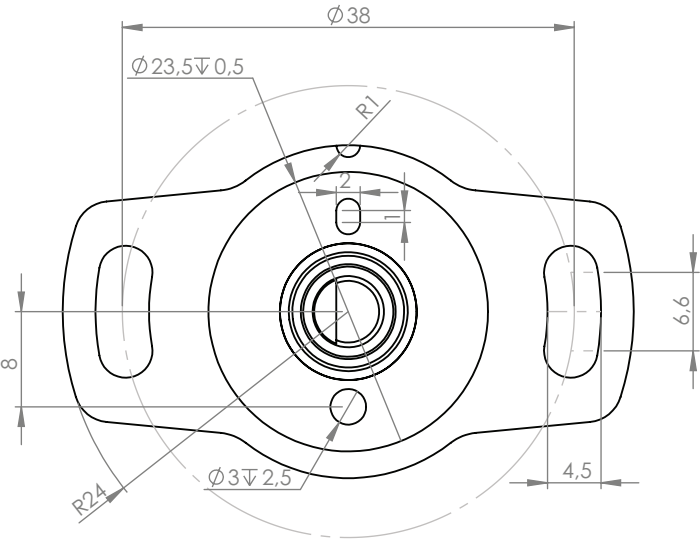


FNC PM28 SinCos

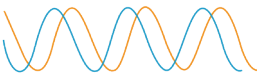


Mechanical Dimensions

3 6 mm shaft, 1 mm notch version 6L12

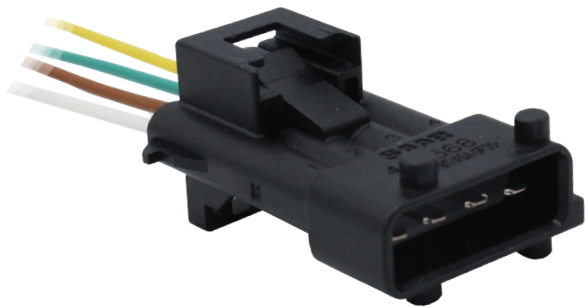


FNC PM28 SinCos



Cable Connection

Function	Color	Pin
Supply	○ White	pin 1
GND	● Yellow	pin 4
Sin	● Brown	pin 2
Cos	● Green	pin 3



Part Number

