

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

FINS58

High Performance Solid Shaft Encoder

Features

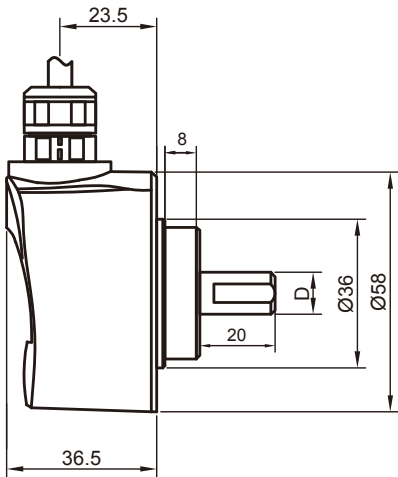
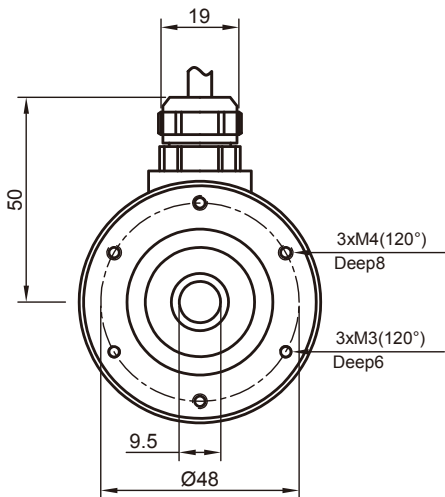
- Excellent performance, wide selection, IP67 structure optiona
- Optional sinusoidal output or square wave output, the resolution can be double frequency output
- Maximum 80000 pulses, can be equipped with special accessories and FINH58 (FINS58) combination
- Suitable for papermaking equipment, steel industry and other industrial fields



Specifications

Electrical Specifications		Mechanical Specifications	
Supply Voltage	5VDC, 10-30VDC	Maximum speed	15000rpm
Current Consumption	60mA (P-P) , 140mA (RS422)	Shaft load	Axial 50N Radial 100N
Output Circuit	PUSH-PULL output , RS422	Starting Torque	<0.05Nm
Resolution	Square Wave:10000PPR (Max.) Sine Wave:6000PPR Adjustable :50-6000PPR	Shock Resistance	EN 60068-2-27 1000m/s² 6ms
Output Frequency	300kHz	Vibration Resistance	EN 60068-2-6 100m/s² 55....2000HZ
Permissible Load/Channel	Max. 30mA	Operating Temperature	-25°C to +85°C
Rise Time	200ns	Protection Class	IP65/IP67 (option)
Level signal	H:>70%VCC L:<1V	Material	Aluminum (shell) , stainless steel (shaft)
Electrical Protection	Short Circuit, reverse polarity and lightning Protection	Weight	260g

Dimension (Installation flanges, hole positions, etc. shall be subject to the order confirmation)



unit: mm

D=6,8,10,12,on request

Connection

Function	3R	6R/8R
GND	white	1
VCC	brown	2
A	green	3
B	yellow	4
Z	grey	5
A̅	pink	6
B̅	blue	7
Z̅	red	8

Ordering Code

Example: FINS5806A593R-1024
58 high performance solid shaft encoder 1024 pulse push-pull output with ABZ inverse signal, axle diameter 6mm, radial straight out cable

FINS58	shaft	output	signals	connection	resolution
06=6x10mm 08=8x12mm 10=10x20mm 12=12x25mm XX=custom-made	A2=5V RS422 (TTL) A5=10-30V push-pull A8=10V-30V RS422 (HTL) sine S1=sine wave output 1V PP frequency doubling D2=5V RS422 (TTL) D5=10-30V push-pull D8=10V-30V RS422 (HTL)	8=ABZ 9=ABZABZ	3R=radial output 6R=connector radial output (cw) 8R=connector radial output (ccw)	standard: Max. 80000 frequency doubling: basic resolution Max. 6000 sine: Max. 2500	

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