

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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EINS58

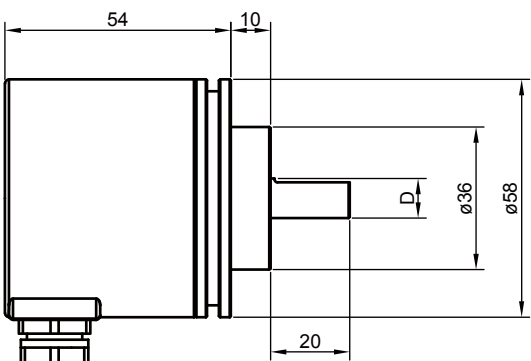
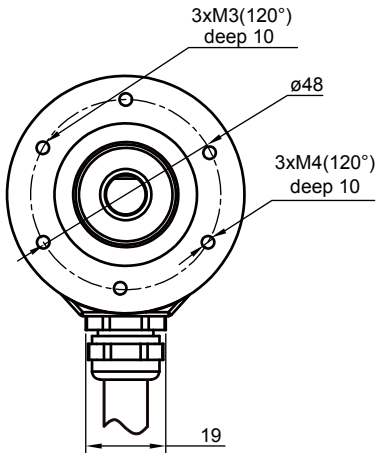
Standard Solid Shaft Encoder

Features

- High protection grade, up to IP67, suitable for various occasions
- Standard $\phi 58\text{mm}$ OD, easy to install and pair
- Max. 10000 pulses
- Suitable for applications such as industrial automation and drive control



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



unit: mm

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

Connection

Function	3A / 3R	6A/6R/8A/8R
GND	white	1
VCC	brown	2
A	green	3
B	yellow	4
Z	grey	5
$\bar{A}$	pink	6
$\bar{B}$	blue	7
$\bar{Z}$	red	8

Ordering Code

Example: EINS5806A593R-1024
58 standard solid shaft encoder 1024 pulse push-pull output with ABZ inverse signal, axle diameter 6mm, radial straight out cable

EINS58	shaft	output	signals	connection	resolution
	06=6x10mm 08=8x12mm 10=10x20mm 12=12x25mm XX=custom-made	A2=5V RS422 A5=10-30V push-pull	8=ABZ 9=ABZ $\bar{A}$ $\bar{B}$ Z	3A=axial output 3R=radial output 6A=connector axial output (cw) 6R=connector radial output (cw) 8A=connector axial output (ccw) 8R=connector radial output (ccw)	200/256/500 512/1000/1024 1250/1500 2000/2048 2500/3000 3600/4000 4096/5000 6000/7000 7500/8000 8192/9000 10000 50-10000 customizable

Specifications

Electrical Specifications		Mechanical Specifications	
Supply Voltage	5VDC, 10-30VDC	Maximum speed	12000rpm
Current Consumption	60mA (P-P) , 140mA (RS422)	Shaft load	Axial 50N Radial 100N
Output Circuit	PUSH-PULL output , RS422	Starting Torque	<0.05Nm
Resolution	10000PPR (Max.)	Shock Resistance	EN 60068-2-27 1000m/s ² 6ms
Output Frequency	150kHz	Vibration Resistance	EN 60068-2-6 100m/s ² 55....2000HZ
Permissible Load/Channel	Max. 30mA	Operating Temperature	-25°C to +85°C
Rise Time	200ns	Protection Class	IP65/IP67 (option)
Electrical Protection	Short Circuit, reverse polarity and lightning Protection	Material	Aluminum alloy / Stainless steel
Level signal	H: >70%VCC L: <1V	Weight	300g