

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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EINS30

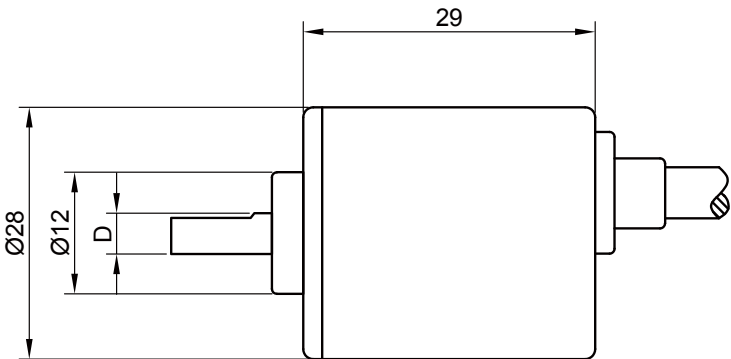
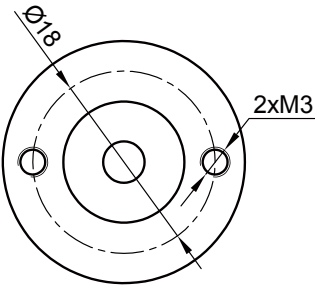
Small Solid Shaft Encoder

Features

- High precision, short response time
- $\phi 28$ mm OD, Suitable for inserting installation
- Max. 3600 pulses
- Suitable for engraving machine, printing machine and other applications



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



unit: mm

D=5,6,8,on request

Connection

Function	3A / 3R
GND	white
VCC	brown
A	green
B	yellow
Z	grey
$\bar{A}$	pink
$\bar{B}$	blue
$\bar{Z}$	red

Ordering Code

Example: EINS3006A593R-1024
30 small solid shaft encoder 1024 pulse push-pull output with ABZ inverse signal, axle diameter 6mm, radial straight out cable

EINS30	shaft	output	signals	connection	resolution
	04=4x10mm 06=6x10mm 08=8x12mm 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	36/50/100 125/150/200 256/500/512 1000/1024 1250/1500 2000/2048 2500/3000 3600 36-3600 customizable

Specifications

Electrical Specifications		Mechanical Specifications	
Supply Voltage	5VDC, 10-30VDC	Maximum speed	8000rpm
Current Consumption	60mA (P-P) , 140mA (RS422)	Shaft load	Axial 20N Radial 40N
Output Circuit	PUSH-PULL output , RS422	Starting Torque	<0.005Nm
Resolution	3600PPR (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
Electrical Protection	Short Circuit, reverse polarity and lightning Protection	Material	Aluminum (shell) , stainless steel (shaft)
Level signal	H: >70%VCC L: <1V	Weight	90g