

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

EINS40

Small Solid Shaft Encoder

Features

- High precision, Stable working performance
- $\phi 38\text{mm}$ OD, Optional IP67
- Max. 5000 pulses
- Suitable for robot, machine tool and other applications



Specifications

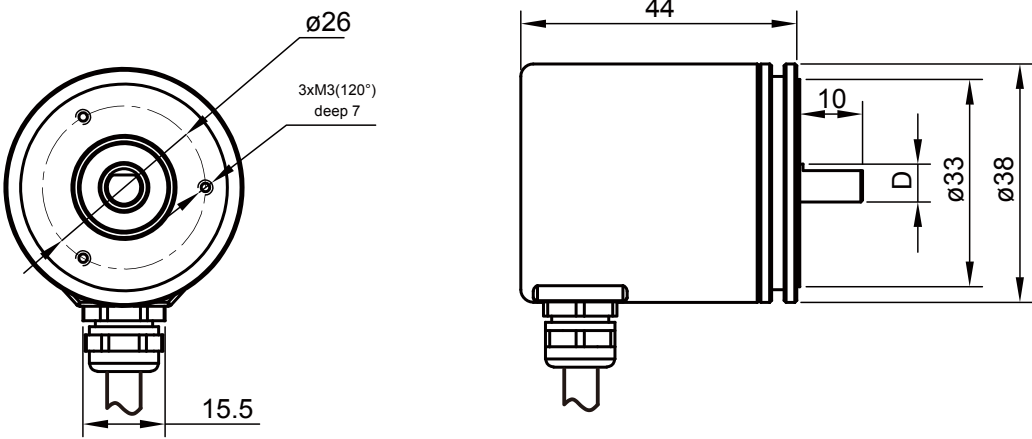
Electrical Specifications

Supply Voltage	5VDC, 10-30VDC
Current Consumption	60mA (P-P) , 140mA (RS422)
Output Circuit	PUSH-PULL output , RS422
Resolution	5000PPR (Max.)
Output Frequency	150kHz
Permissible Load/Channel	Max. 30mA
Rise Time	200ns
Electrical Protection	Short Circuit, reverse polarity and lightning Protection
Level signal	H: >70%VCC L: <1V

Mechanical Specifications

Maximum speed	10000rpm
Shaft load	Axial 30N Radial 60N
Starting Torque	<0.025Nm
Shock Resistance	EN 60068-2-27 1000m/s ² 6ms
Vibration Resistance	EN 60068-2-6 100m/s ² 55....2000HZ
Operating Temperature	-25°C to +85°C
Protection Class	IP65/IP67 (option)
Material	Aluminum (shell) , stainless steel (shaft)
Weight	120g

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



unit: mm

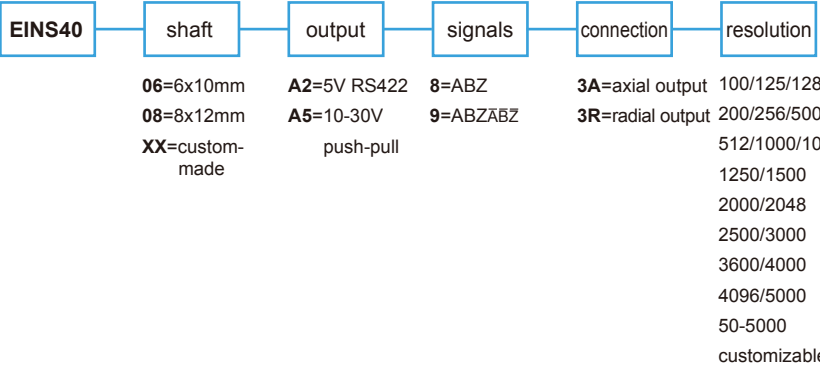
D=6,8,on request

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: EINS4006A593R-1024
40 small solid shaft encoder 1024 pulse push-pull output with ABZ inverse signal, axle diameter 6mm, radial straight out cable



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