



Product Selection Guide

SE206T60 Applications & Features

Appearance:

- 1.Shell Color: Silver.
- 2.Surface Treatment: Sandblast Oxidation.
- 3.Termination: Radial Output.
- 4.Cable Length: 1m (Can be customized) .
- 5.Color of Cable: Black、 Gray (Optional) .

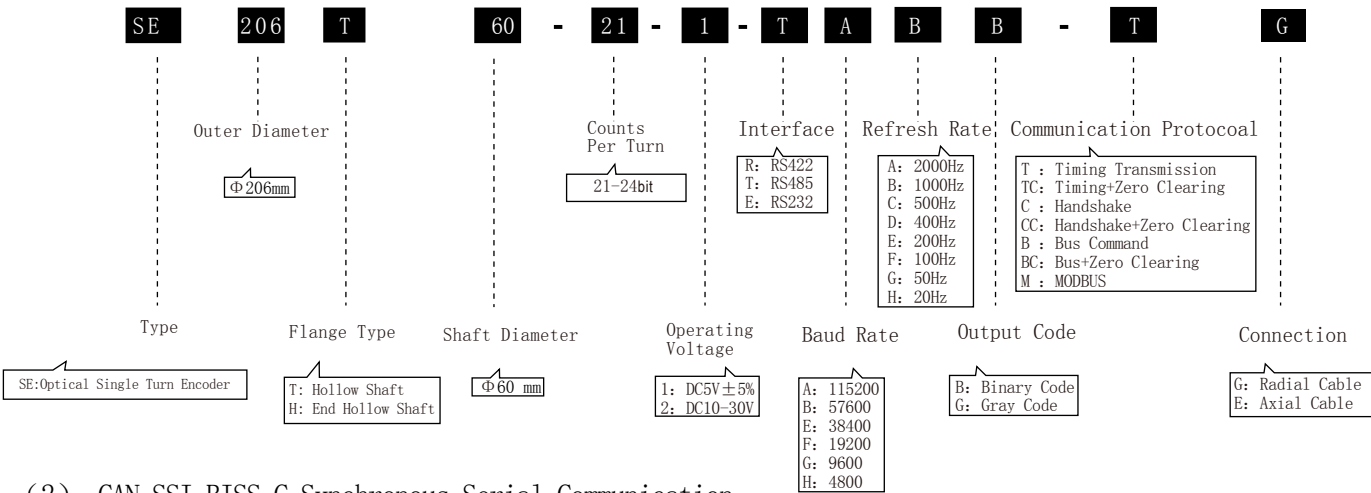
Features:

- 1.Large diameter hollow shaft products, military standards.
- 2.High precision and stability, to meet the needs of high-precision measurements.
- 3.Built in mounting bracket, durable, long life, anti-interference.

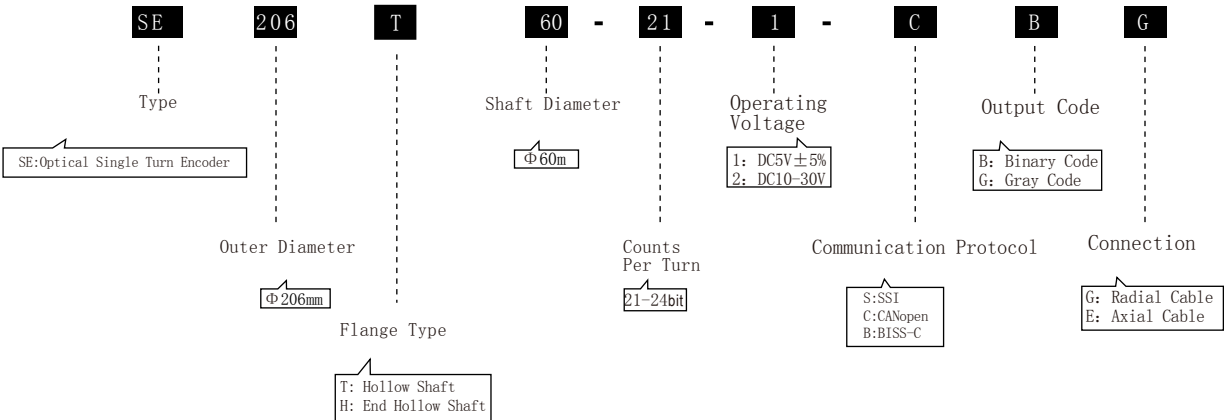


1.1 Part Number Defined

(1) Asynchronous Serial Communication



(2) CAN.SSI.BISS-C Synchronous Serial Communication



1.2 Notes

- 1.Please follow the instructions to use flexible connections for mounting to ensure the accuracy and service life of products.
- 2.Encoders are precise instruments adjusted strictly before leaving factory. Strong impact, dismantlement and changes on encoders are not allowed.
- 3.To guarantee the accuracy and work of encoder, when the operating voltage is DC5V $\pm$ 5%:
 - (1) Cable length should not exceed 2 meters.
 - (2) The current of the power supply should not be less than 0.5A.
 - (3) The interference signal of the power supply should be within $\pm$ 50mV.
- When operating voltage is 10-30V:
 - (1) The current of the power supply should not be less than 0.3A.
 - (2) The interference signal of the power supply should be within $\pm$ 50mV.
- 4.The corresponding supply voltage and connections to the equipment should be paid attention by the professional installation people.
- 5.Please read the instructions carefully before using the product.

2.1 Basic Specifications

Resolution in Bit	21~24bit			Measuring Range	0 ~ 360° (Single-turn)		
Resolution in Bit				21 bit	22 bit	23 bit	24 bit
Angular Resolution				0.6°	0.3°	0.15°	0.08°
Accuracy≤				±3°	±2.5°	±2.5°	±2°

2.2 Environment Specifications

Working Temperature	-40℃~+65℃	Protection Class	IP52
Storage Temperature	-50℃~+70℃		

2.3 Mechanical Specifications

Outer Diameter	206mm	Shaft Diameter	60mm
Height	60.5 mm	Shaft Length	
Weight	2990g	Max Speed	600 r/min
Vibration	5 g	Radial Shaft Load	≤60N
Shock	20 g	Axial Shaft Load	≤40N

2.4 Electrical Specifications

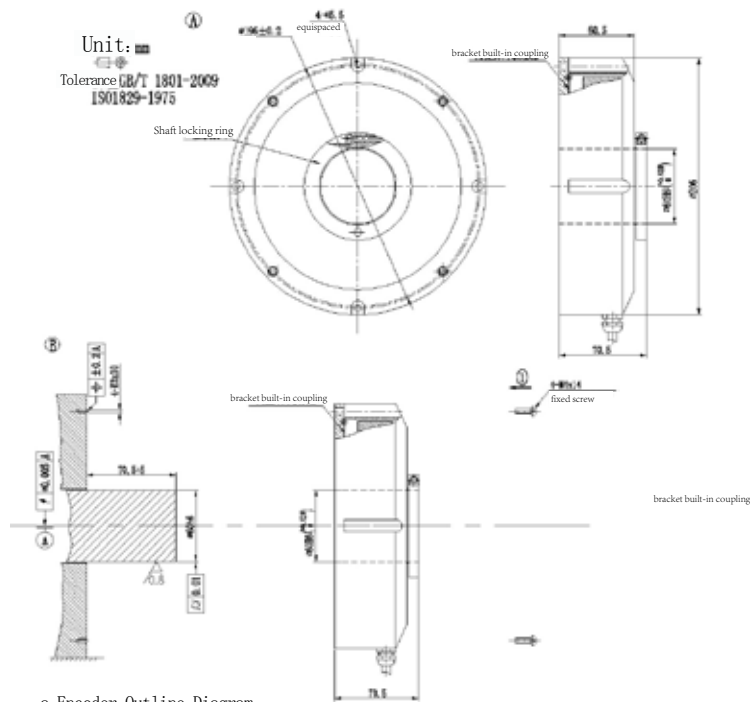
(1) Asynchronous Serial Communication

Supply Voltage	DC5V, 10~30V
Interface	RS485、RS422、RS232、CAN
Communication Protocol	MODBUS、CANopen、Timing Transmission、Timing Transmission+Zero Clearing、Handshake、Handshake+Zero Clearing、Bus Command、Bus+Zero Clearing
Baud Rate(b/s)	115200、57600、38400、19200、9600、4800、2400
Refresh Rate	2000Hz、1000Hz、500 Hz、400 Hz、200 Hz、100 Hz、50 Hz、20 Hz
Output Code	Binary Code, Gray Code

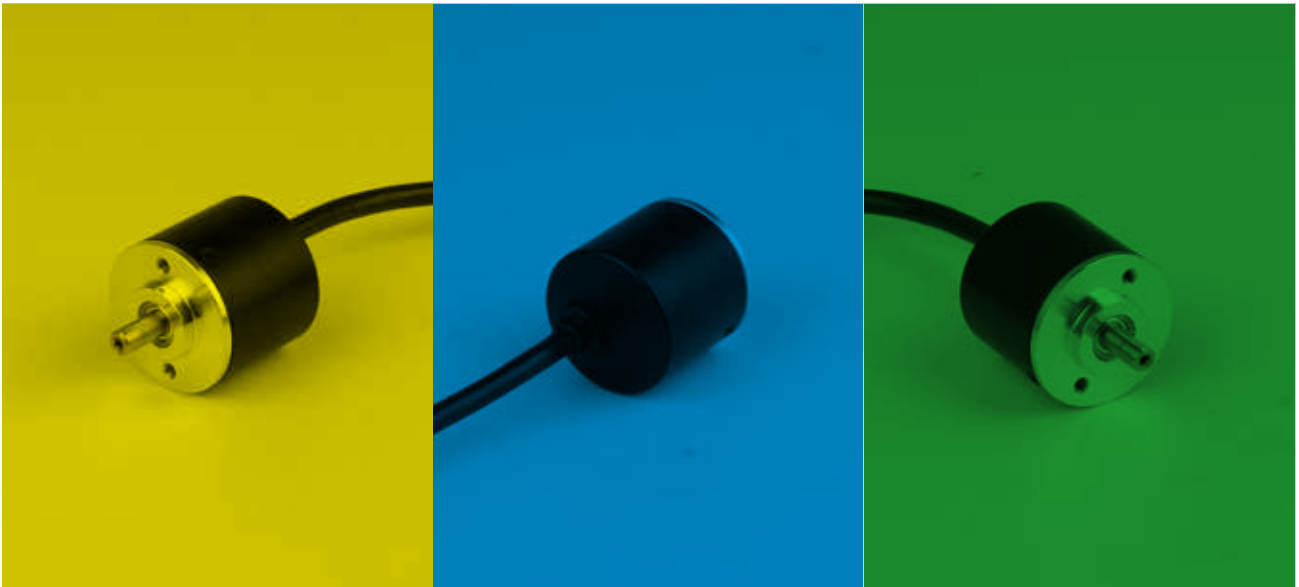
(2) Synchronous Serial Communication

Supply Voltage	DC5V, 10~30V
Communication Protocol	SSI、BISS-C
Output Code	Binary Code, Gray Code

2.5 Installation Instruction



- a. Encoder Outline Diagram
 b. Dimensions and tolerance for customer mounting
 c. Installation Complete Diagram



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