EAXB40

Small Blind Shaft Encoder

Features

- Easy installation and integration
- Standard CANopen protocol, SSI protocol
- Up to 21 bit singleturn,14 bit multiturn
- Suitable for printer applications

CANopen SSI

Specifications

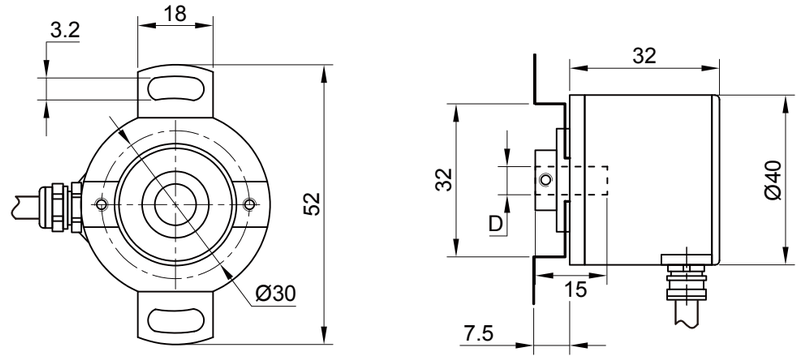
Electrical Specifications

Interface	CAN open	SSI/BISS
Supply Voltage	10-30VDC, 5VDC	10-30VDC, 5VDC
Current Consumption	50mA	80mA
Output Code	Binary	Binary/Gray
Resolution	21 bit single turn (Max.), 14 bit multiturn (Max.)	21 bit single turn (Max.), 14 bit multiturn (Max.)
Output speed	1MBit/s	0.1-2 MBit/s
Criterion	DSP406, Class 1 Class2	RS422
linearity	1LSB	1LSB

Mechanical Specifications

Maximum speed	8000rpm
Shaft load	Axial 30N Radial 60N
Starting Torque	<0.02Nm
Shock Resistance	EN 60068-2-27 1000m/s² 6ms
Vibration Resistance	EN 60068-2-6 100m/s² 55....2000HZ
Operating Temperature	-40°C to +80°C
Protection Class	IP66
Material	stainless steel (316L)
Weight	150g

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



unit: mm

D=6,10,on request
Singleturn: H=38, Multiturn: H=43

Connection

SSI	3A/3R
GND	brown
VCC	white
CLCOK+	yellow
CLOCK-	green
DATE+	pink
DATE-	grey
ZERO	black
DIR	blue

CANopen	3A/3R
GND	white
VCC	brown
CAN_GROUND	green
CAN_LOW(-)	yellow
CAN_HIGH(+)	grey

Ordering Code

Example: EASB400012E06SB3A
37single turn 12 bit resolution SSI binary blind shaft encoder, power voltage 10-30V DC, radial straight out cable

EAXB40	shaft	output	signals	connection	resolution
EASB=ST **EAMB**=MT	**1212**=12 MT 12 ST **1214**=12 MT 14 ST **1021**=10 MT 21 ST **1220**=12 MT 20 ST **1418**=14 MT 18 ST **0012**=12 ST **0021**=21 ST custom-made	**A**=5VDC **E**=10-30VDC	**06**=6mm **XX**=custom-made	**SB**=SSI binary **SG**=SSI gray **CO**=CANopen	**3A**=axial output **3R**=radial output