

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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EAXS90

Heavy-duty Solid Shaft Encoder

Features

- Heavy duty large size absolute encoder
- Standard CANopen protocol, SSI protocol
- Up to 13 bit singleturn, 16 bit multiturn
- Suitable for steel, mining and other heavy industry applications



CANopen SSI

Specifications

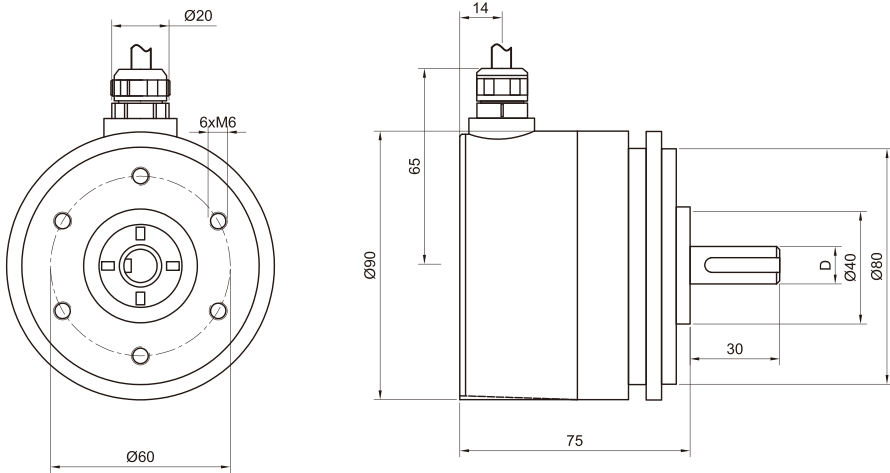
Electrical Specifications

Interface	CAN open	SSI/BISS
Supply Voltage	10-30VDC	10-30VDC
Current Consumption	120mA	100mA
Output Code	Binary	Binary/Gray
Resolution	13 bit single turn (Max.), 13 bit single turn (Max.), 16 bit multiturn (Max.) 16 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	6000rpm
Shaft load	Axial 100N Radial 200N
Starting Torque	<0.06Nm
Shock Resistance	EN 60068-2-27 1000m/s² 6ms
Vibration Resistance	EN 60068-2-6 100m/s² 55....2000HZ
Operating Temperature	-20°C 至 +90°C -20°C to +90°C
Protection Class	IP65/IP67(option)
Material	galvanized aluminum housing/ Stainless steel
Weight	1500g

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



unit: mm

D=11, 12, on request

Connection

SSI	3A/3R	6A/6R/8A/8R
GND	brown	2
VCC	white	1
CLCOK+	yellow	6
CLOCK-	green	4
DATE+	pink	5
DATE-	grey	8
ZERO	pink	7
DIR	blue	3

CANopen	3A/3R	6A/6R/8A/8R
GND	white	3
VCC	brown	2
CAN_GROUND	green	1
CAN_LOW(-)	yellow	5
CAN_HIGH(+)	grey	4

Ordering Code

Example: EASS90SS0012E12SB3R
90single turn 12 bit resolution SSI binary solid shaft encoder, power voltage 10-30V DC, radial straight out cable, stainless steel housing

