

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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EAXS58

SSI Solid Shaft Encoder

Features

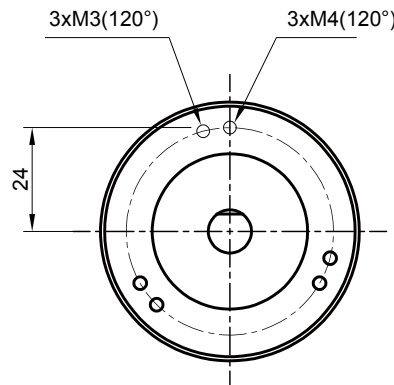
- Standard $\phi 58\text{mm}$ OD, easy to install
- high precision ,Standard SSI and biss protocol
- Up to 21 bitsingleturn,14bitmultiturn
- Suitable for system control and other applications



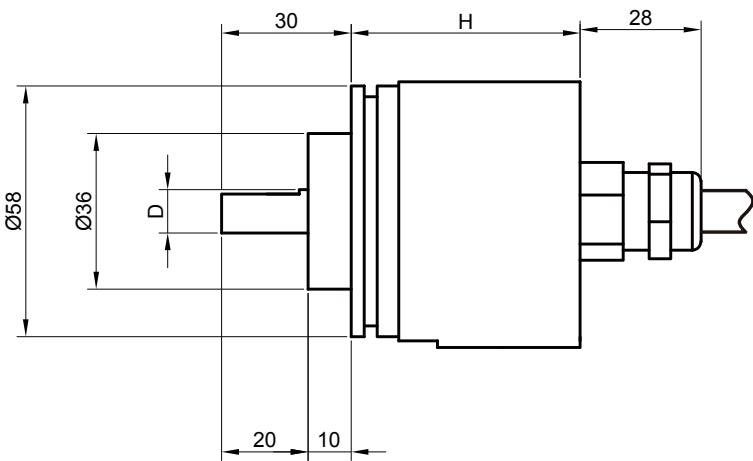
Specifications

Electrical Specifications		Mechanical Specifications	
Interface	SSI	Maximum speed	12000rpm
Supply Voltage	5VDC, 10-30VDC	Shaft load	Axial 50N Radial 100N
Current Consumption	80mA	Starting Torque	<0.05Nm
Output Code	Binary/Gray	Shock Resistance	EN 60068-2-27 1000m/s ² 6ms
Resolution	21 bit single turn (Max.), 14 bit multiturn (Max.)	Vibration Resistance	EN 60068-2-6 100m/s ² 55....2000HZ
Output speed	0.1-2 MBit/s	Operating Temperature	-40°C to +80°C
Criterion	RS422	Protection Class	IP66
linearity	1LSB	Material	stainless steel (316L)
Incremental output	Refer to EINS58 parameter	Weight	300g

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



unit: mm



D=6,10,on request
Singleturn: H=47, Multiturn: H=54

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	black	7
DIR	blue	3

Ordering Code

Example: EASS580012E06SB3R
58single turn 12 bit resolution SSI binary solid shaft encoder, power voltage 10-30V DC, axle diameter 6mm, radial straight out cable

EASS58	resolution	power	shaft	output	connection
EASS=ST EAMS=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=6x10mm 10=10x20mm XX=custom-made	SB=SSI binary SG=SSI gray	3A=axial output 3R=radial output 6A=connector radial output (cw) 6R=connector axial output (cw) 8A=connector radial output (ccw) 8R=connector axial output (ccw)

option:
incremental output

1024/2048/4096