

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

EAXS40

Small Solid 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

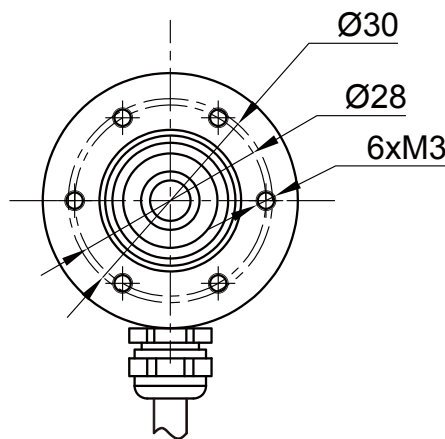
Electrical Specifications

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.), 21 bit single turn (Max.) 14 bit multiturn (Max.), 14 bit multiturn (Max.)	
Output speed	1MBit/s	0.1-2 MBit/s
Criterion	DSP406, Class 1 Class2	RS422
linearity	1LSB	1LSB

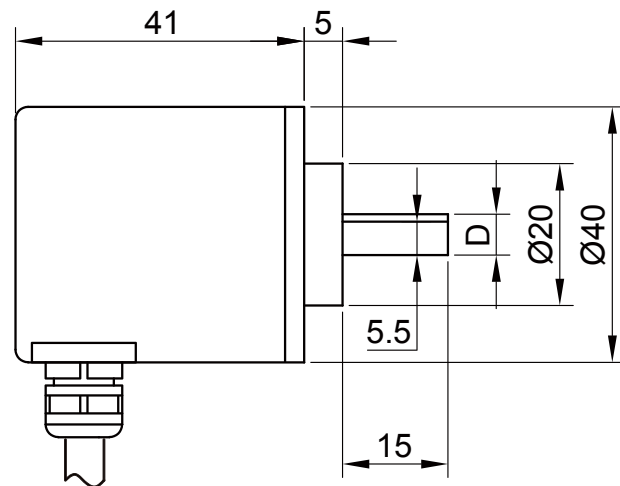
Mechanical Specifications

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

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

Ordering Code

Example: EASS400012E06SB3A
37single turn 12 bit resolution SSI binary solid shaft encoder, power voltage 10-30V DC, radial straight out cable

EAXS40	resolution	power	shaft	output	connection
EASS=ST	1212=12 MT	A=5VDC	06=6x15mm	SB=SSI binary	3A=axial output
EAMS=MT	12 ST	E=10-30VDC	XX=custom-made	SG=SSI gray	3R=radial output
	1214=12 MT			CO=CANopen	6A=connector axial output (cw)
	14 ST				8A=connector axial output (ccw)
	1021=10 MT				
	21 ST				
	1220=12 MT				
	20 ST				
	1418=14 MT				
	18 ST				
	0012=12 ST				
	0021=21 ST				
	custom-made				