

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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EAXS58

Parallel Solid Shaft Encoder

Features

- High speed parallel interface, binary or gray code optional
- Up to 21 bit singleturn, 14 bit multiturn
- Frequency 400Khz
- Suitable for measurement laboratory applications



Parallel

Specifications

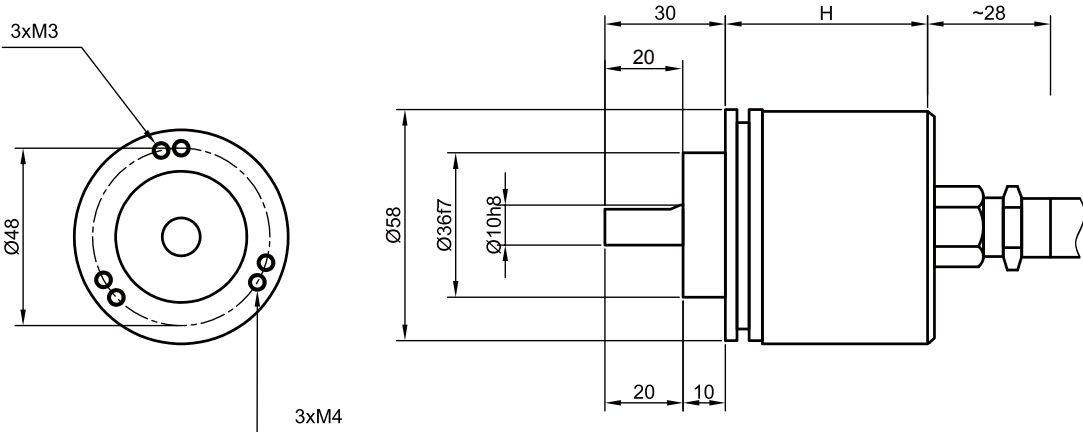
Electrical Specifications

Interface	Parallel Interface
Supply Voltage	10-30VDC
Current Consumption	140mA
Output Code	Binary/Gray
Resolution	21 bit single turn (Max.), 14 bit multiturn (Max.)
Electrical interface	Push-pull output with short circuit protection
Frequency	400KHZ
linearity	0.5LSB

Mechanical Specifications

Maximum speed	12000rpm
Shaft load	Axial 50N Radial 100N
Starting Torque	<0.05Nm
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	aluminium alloy
Weight	300g

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



unit: mm

D=6,10,on request
Singleturn: H=53, Multiturn: H=62

Connection

	PD /3A/3R	PD /3A/3R
GND	1 WH DATA	14 BR/GN
VCC	2 BR DATA	15 WH/YE
DATA	3 GN DATA	16 YE/BR
DATA	4 YE DATA	17 WH/GY
DATA	5 GY DATA	18 GY/BR
DATA	6 PK DATA	19 WH/PK
DATA	7 BL DATA	20 PK/BR
DATA	8 RD DATA	21 WH/BL
DATA	9 BK DATA	22 BR/BL
DATA	10 PE DATA	23 WH/RD
DATA	11 GY/PK LATCH	24 YE/GY
DATA	12 RD/BL DIR	25 GY/GN
DATA	13 WH/GN RST	26 YE/

Ordering Code

Example: EASS580012E06PB3R
58single turn 12 bit resolution parallel solid shaft encoder, power voltage 10-30V DC, axle diameter 6mm, radial straight out cable

