

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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# EAXB58

## Parallel Blind 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

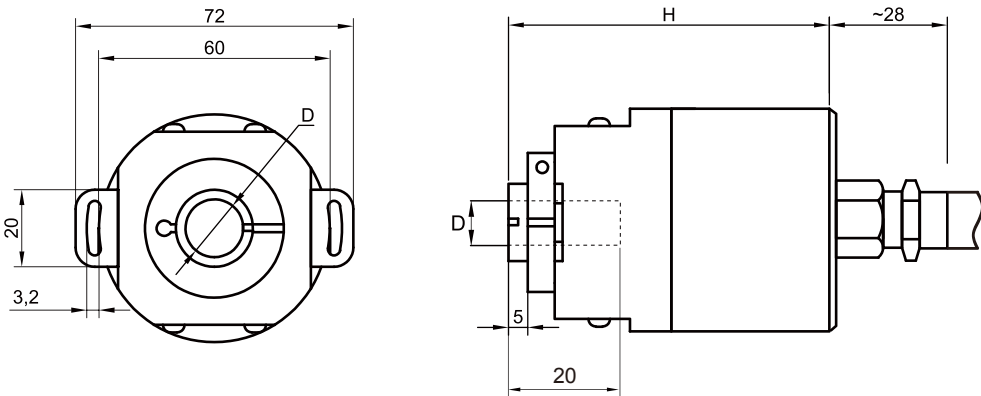
#### Electrical Specifications

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Interface            | Parallel Interface                                    |
| Supply Voltage       | 10-30VDC                                              |
| Current Consumption  | 140mA                                                 |
| Output Code          | Binary/Gray                                           |
| Resolution           | 21 bit single turn (Max.),<br>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=72, Multiturn: H=80

### 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:** EASB580012E06PB3R  
58single turn 12 bit resolution parallel blind shaft encoder, power voltage 10-30V DC, aperture 6mm ,radial straight out cable

