

# MINH100

## Dual-output Hollow Shaft Encoder

### Features

- Double output type, no response time difference
- Heavy-duty encoder
- Max. 5000 pulses
- Suitable for large machinery monitoring and other applications



### Specifications

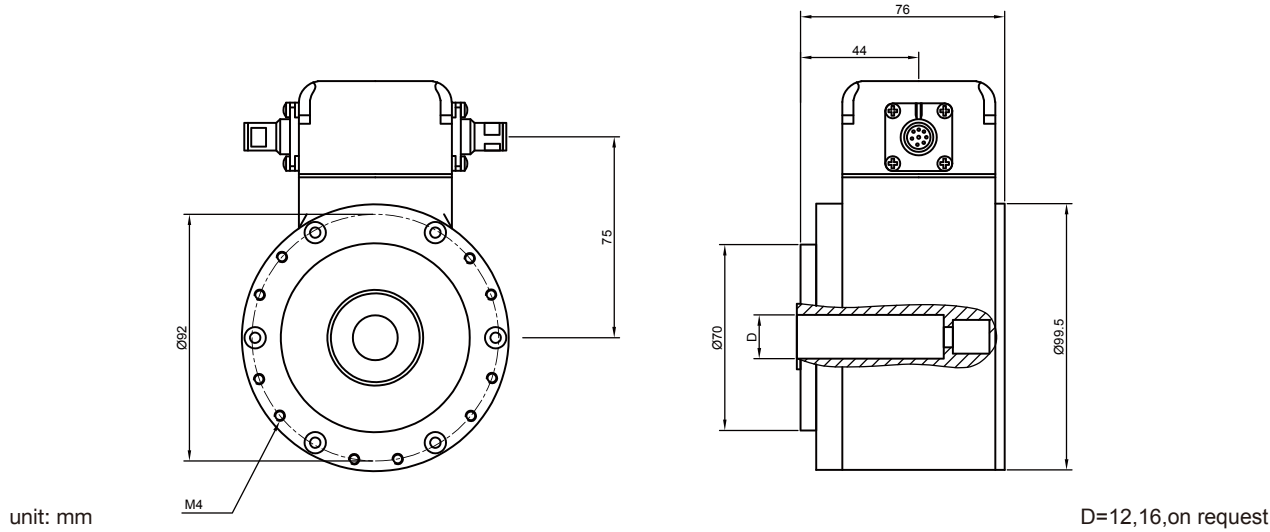
#### Electrical Specifications

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Supply Voltage           | 5VDC, 10-30VDC                                           |
| Current Consumption      | 60mA (P-P) , 140mA (RS422)                               |
| Output Circuit           | PUSH-PULL output , RS422                                 |
| Resolution               | 5000PPR (Max.)                                           |
| Output Frequency         | 200kHz                                                   |
| Permissible Load/Channel | Max. 30mA                                                |
| Rise Time                | 200ns                                                    |
| Level signal             | H:>70%VCC L:<1V                                          |
| Electrical Protection    | Short Circuit, reverse polarity and lightning Protection |

#### Mechanical Specifications

|                       |                                   |
|-----------------------|-----------------------------------|
| Maximum speed         | 6000rpm                           |
| Shaft load            | Axial 400N Radial 500N            |
| Starting Torque       | <0.06Nm                           |
| Shock Resistance      | EN 60068-2-27 2500m/s² 6ms        |
| Vibration Resistance  | EN 60068-2-6 300m/s² 55....2000HZ |
| Operating Temperature | -20°C to +85°C                    |
| Protection Class      | IP66                              |
| Material              | Aluminum                          |
| Weight                | 1700g                             |

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



### Connection

| Function  | BR |
|-----------|----|
| GND       | 1  |
| VCC       | 2  |
| A         | 3  |
| B         | 4  |
| Z         | 5  |
| $\bar{A}$ | 6  |
| $\bar{B}$ | 7  |
| $\bar{Z}$ | 8  |

### Ordering Code

**Example:** MINH10012A593R-1024D  
100 dual-output hollow shaft encoder 1024 pulse push-pull output with ABZ inverse signal, aperture 12mm, radial straight out cable

