

## 特点

- 高可靠度
- 高抗干扰力
- 广泛工作电压范围
- 低耗电高效能
- 适用于恶劣环境不怕粉尘



## 规格

产品型号：EN - MES - 2500 D - 8Ø - M12

\* 1 2 3 4 5

|   |                                                                                                                                                                                                                                                          |   |                                                                                                  |  |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------|--|
| * | EN=译码器                                                                                                                                                                                                                                                   |   |                                                                                                  |  |
| 1 | Product(产品代号) :<br>「MEN」=30Ø Magnetic Absolute Encoder<br>「MES」=40Ø Magnetic Absolute Encoder<br>「MET」=50Ø Magnetic Absolute Encoder<br>「MHS」=中空型                                                                                                        |   |                                                                                                  |  |
| 2 | Resolution(解析度) : 5PPR~2500PPR<br>1.Pulse per Revolution(PPR):5/10/20/30/40/50/60/100/120/150/180/200/250/300/360/400/500/512/600/720/800/1000/1024/1200/1500/1800/2000/2048/2500<br>2.It is accepted to manufacture for special resolution.可接受订制非规格的解析度 |   |                                                                                                  |  |
| 3 | Output code(输出码)<br>「Non」= NPN + PNP (Push-Pull)<br>「D」= Line driver                                                                                                                                                                                     |   |                                                                                                  |  |
| 4 | Shaft diameter(转轴外径) :<br>「Non」=6.0mm ; 「8Ø」=8.0mm                                                                                                                                                                                                       | 5 | 空白：直接出线<br>「T」=「Phase T」output appended<br>「PG」=M12 lead wire<br>「M12」=M12 connection (MET only) |  |

## 电路规格

| 输出方式 | Push-Pull                        | Line driver       |
|------|----------------------------------|-------------------|
| 工作电压 | 5~30VDC                          | 5VDC±10%          |
| 输出码  | NPN+PNP                          | Line driver IC    |
| 响应频率 | 30K Hz min..                     |                   |
| 耗电流  | 40 mA max.                       |                   |
| 电源涟波 | 10% peak to peak                 |                   |
| 输出电流 | 100mA max.                       | 20mA max.         |
| 保护回路 | Short circuit& polarity reversed | polarity reversed |
| 输出压降 | 0.6V max.                        |                   |
| 残余电压 | 0.1V max.                        |                   |
| 泄漏电流 | 0.1mA max.                       |                   |
| 抗干扰  | 2kv / 1µs                        |                   |
| 电介强度 | 2.5kv / 1 minute min.            |                   |
| 绝缘强度 | 100 MΩ / 500vdc                  |                   |
| 安规   | CE / RoHS                        |                   |

| Push-Pull (推拉式) |        |               |
|-----------------|--------|---------------|
| Connector No.   | Color  | Description   |
| # 1             | Brown  | + V ( 1 )     |
| # 3             | Blue   | 0 V ( 3 )     |
| # 4             | Black  | Phase A ( 4 ) |
| # 2             | White  | Phase B ( 2 ) |
| # 5             | Yellow | Phase Z ( 5 ) |
| # 6             | Grey   | Phase T ( 6 ) |

| Line driver (差动式) |               |            |                |
|-------------------|---------------|------------|----------------|
| Color             | Description   | Color      | Description    |
| Brown             | + V ( 1 )     | Blue       | 0 V ( 3 )      |
| Black             | Phase A ( 4 ) | Blue/Red   | Phase A ( 9 )  |
| White             | Phase B ( 2 ) | White/Red  | Phase B ( 10 ) |
| Yellow            | Phase Z ( 5 ) | Yellow/Red | Phase Z ( 11 ) |

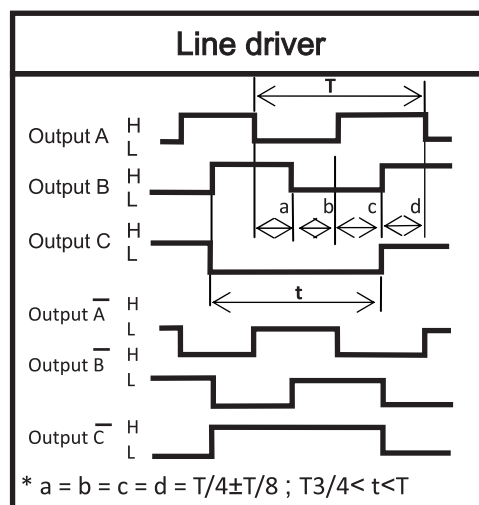
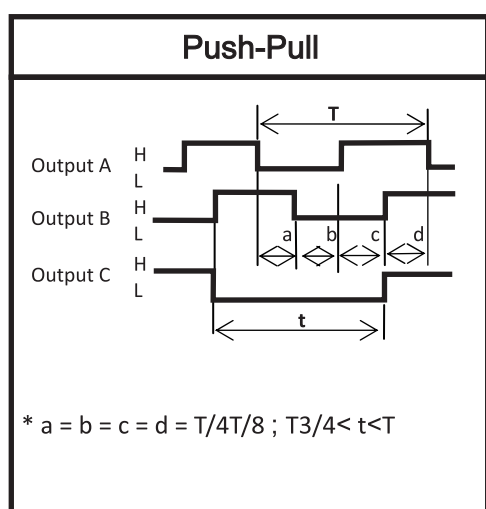
## 机械规格

| 规格   | Data                                 |
|------|--------------------------------------|
| 启动力矩 | 0.098 kg-m                           |
| 惯性力矩 | 1X10 <sup>-6</sup> kg-m <sup>2</sup> |
| 转轴负载 | Radial < 300 kg ;<br>Axial < 200kg   |
| 最大转速 | 6000 RPM                             |
| 外壳材质 | Intensive PPS                        |
| 转轴材质 | SUS-316                              |

## 环境规格

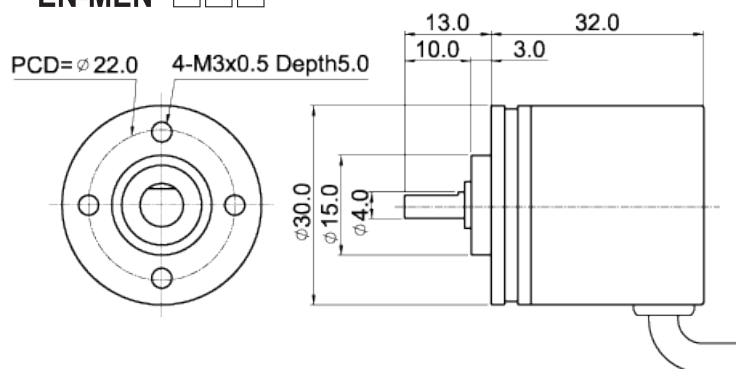
| 规格   | Data                                                            |
|------|-----------------------------------------------------------------|
| 工作环境 | -25°C ~ +70°C ; 85%RH max.                                      |
| 抗振动  | 10 ~ 55 Hz / 1.5mm ;<br>2 Hr/ X.Y.Z direction each              |
| 抗冲击  | 490m/s <sup>2</sup> with 11ms in X.Y.Z<br>direction 3times each |
| 保护等级 | IP-64                                                           |

## 输入回路

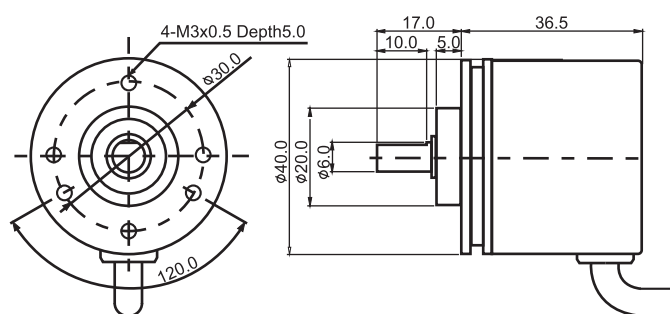


## 尺寸图

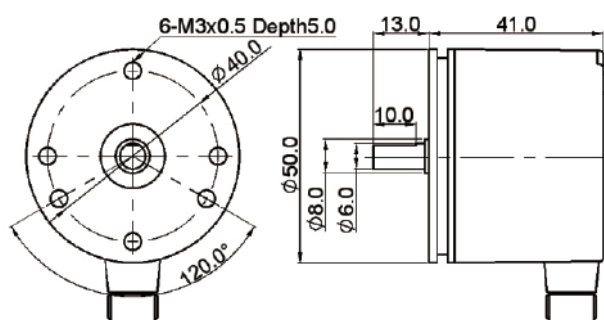
### EN-MEN-□□□



### EN-MES-□□□



### EN-MET-□□□



### EN-MHS-□□□

