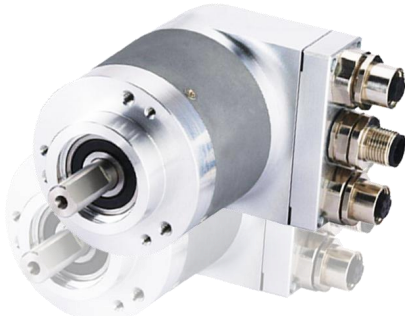


Multi-Turn Absolute Rotary Encoder

Housing Dia.:58mm; Solid Shaft Dia.:10mm;

Output: **EtherCAT**; Resolution: Multi-turn Max.12bits turns, Single Turn Max.13bits;

GA-EC Series



- ▶ Housing Diameter:58mm;
- ▶ Solid/hollow Shaft Diameter:10mm;
- ▶ Output: **EtherCAT**;
- ▶ Resolution: Multi-turn Max.12bits turns, Single Turn Max.13bits;
- ▶ Supply Voltage:5v,8-29v;
- ▶ Widely used in various fields of automatic control and measurement system,such as machinery manufacturing, shipping, textile, printing, aviation, military industry Testing machine, elevator, etc.
- ▶ Vibration-resistant, corrosion-resistant, pollution-resistant;



Product characteristics

| | |
|-------------------|------|
| Housing Dia.: | 58mm |
| Solid Shaft Dia.: | 10mm |

Electrical Data

| | |
|-------------------------|--|
| Resolution: | Max.16bits, Single turn max.16bits, Total Max.29bits |
| Interface: | EtherCAT |
| Supply Voltage: | 8-29V |
| Max. Frequency Response | 30Khz |

Mechanical Data

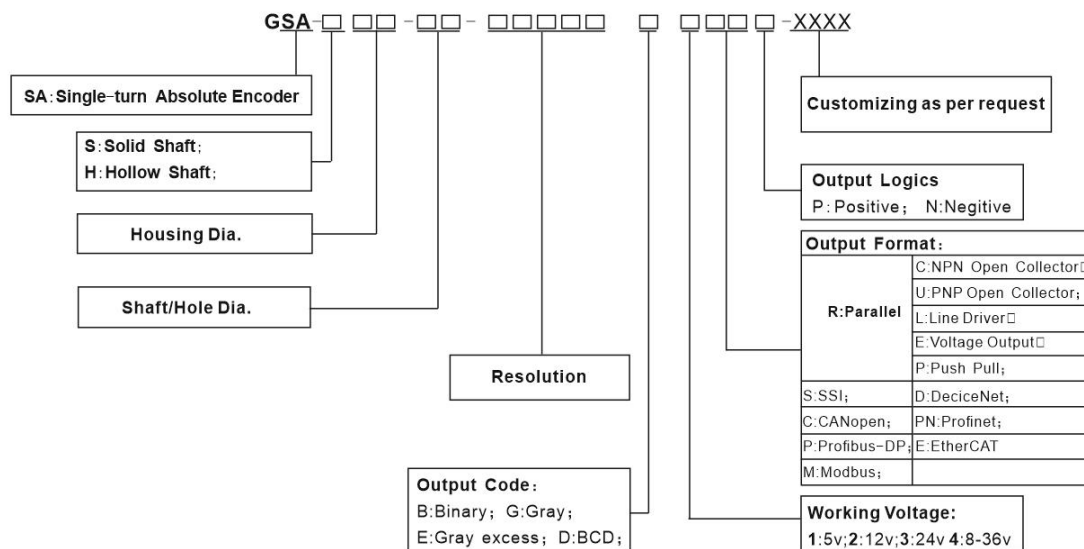
| | |
|--------------------|------------------------------|
| Start Torque | 0.01N•M |
| Max. Shaft Loading | Axial: 5-30N, Radial:10-20N; |
| Max. Rotary Speed | 6000rpm |
| Weight | 160-200g |

Environment Data

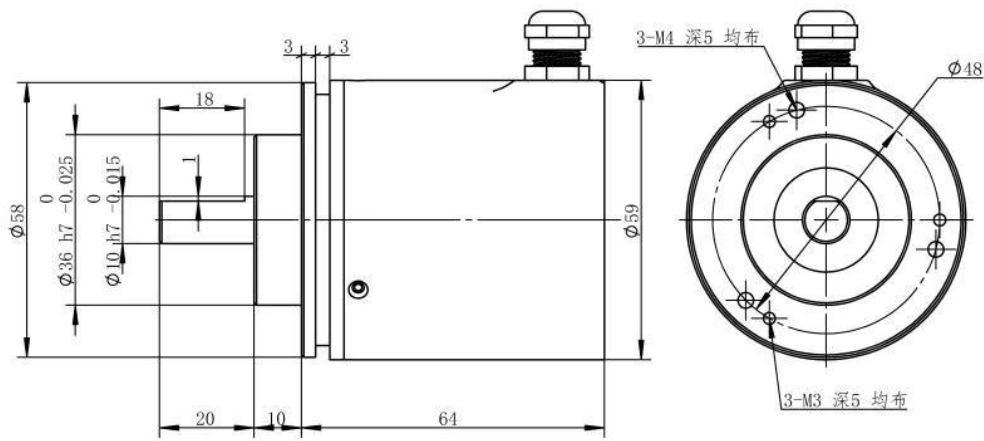
| | |
|------------------|---------|
| Working Temp. | -30~80℃ |
| Storage Temp. | -40~80℃ |
| Protection Grade | IP65 |

Ordering Code

Multi-Turn Absolute Encoder



Dimensions



Note:

- ▶ Adopt elastic soft connection shall be applied between encoder shaft and output shaft of user end to avoid damage of encoder shaft system due to serial movement and run out of user shaft.
- ▶ Please pay attention to the allowable axle load during installation.
- ▶ Make Sure that the difference Between Axial Degree of encoder shaft and user output shaft shall be no more than 0.20mm, and the deviation angle with axis shall be less than 1.5° .
- ▶ Try to avoid knocking and falling collision during installation;
- ▶ Do not connect the power line and the ground wire in reverse.
- ▶ The GND wire shall be as thick as possible, generally larger than $\phi 3$.
- ▶ Output lines of encoder shall not be overlapped with each other to avoid damaging output circuit.
- ▶ Signal line of encoder shall not be connected to DC power supply or AC current to avoid damaging output circuit.
- ▶ The motor and other equipment connected to the encoder shall be well grounded without static electricity.
- ▶ Shielded cable shall be used for wiring.
- ▶ Before starting the machine, carefully check whether the wiring is correct.
- ▶ During long-distance transmission, the signal attenuation factor shall be considered, and the output mode with low output impedance and strong anti-interference ability shall be selected.
- ▶ Avoid using in strong electromagnetic wave environment.