

Hollow Encoder-----GSM48 Series

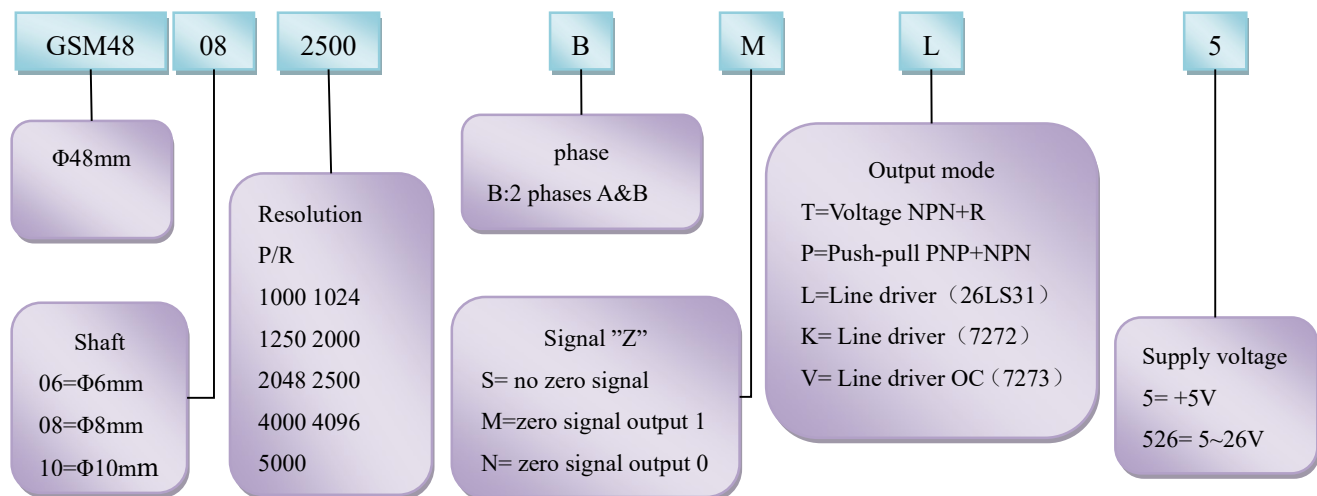
Applications

Widely used in the field of automatic control AC servo unit, particularly suitable for use in servo motor supporting

Features

- * Internal ASIC devices, high reliability, long life, strong anti-interference.
- * Wide range of resolutions, and does not require signal conditioning.
- * With A, B, Z and U, V, W six-channel signal output can be connected with standard line driver (26LS31) RS422, can provide 12 output signal, and is compatible with TTL

Definition of Models and types



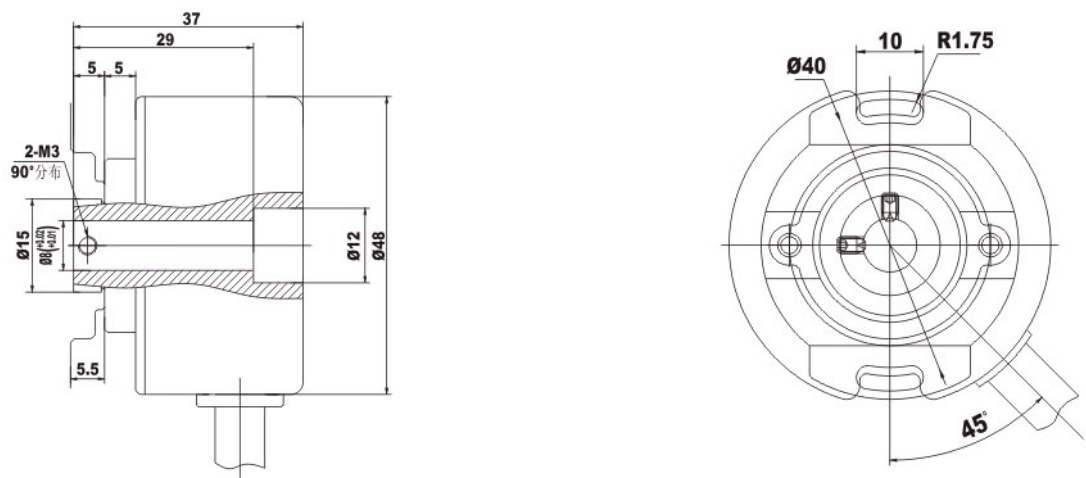
Electrical Characteristics

Output circuit	Open-collector output	Voltage output	Push-pull complementary outputs	Line driver
Supply voltage	5~26	5~26	5±0.25 5~26	5±0.25 5~26
Current consumption	≤80mA	≤80mA	≤80mA	≤160mA
Load current	40mA	40mA	40mA	60mA
Output high	Min Vcc*70%	Min Vcc-2.5V	Min Vcc-1.5V	Min 3.4V
Output low	Max 0.4V	Max 0.4V	Max 0.8V	Max 0.4V
Rise time Tr	MAX 1us	MAX 1us	MAX 1us	MAX 200ns
Fall time Tf	MAX 1us	MAX 1us	MAX 1us	MAX 200ns
Highest frequency response	500kHz	500kHz	500kHz	500kHz

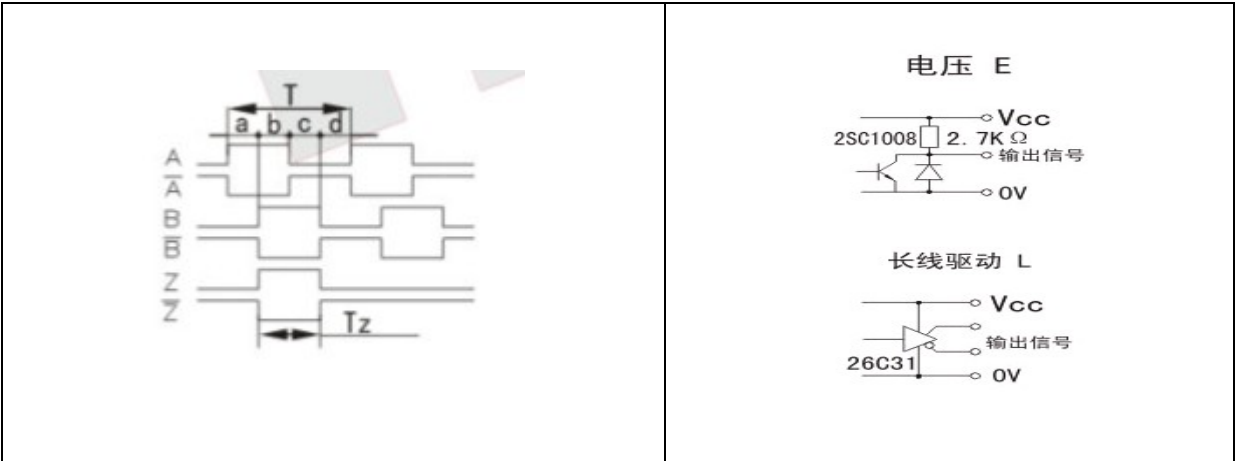
Mechanical properties

Max speed r/min	Starting torque	Axis maximum load	Impact	Anti-vibration
6000	<0.02Nm	Radial 20N Axial 10N	50G/11ms	10G 10~2000HZ
Moment inertia	Work Temperature	Storage Temperature	Protection Degree	Weight
4x10 ⁻⁸	-30~85℃	-40~85℃	IP50	120g

Dimensions (mm)



Output phases



Connections

Signal	A	B	Z	A/	B/	Z/	Vcc	GND
Color	Green	White	Yellow	Brown	Grey	Orange	Red	Black