

Hollow shaft rotary encoder- GHH38 series

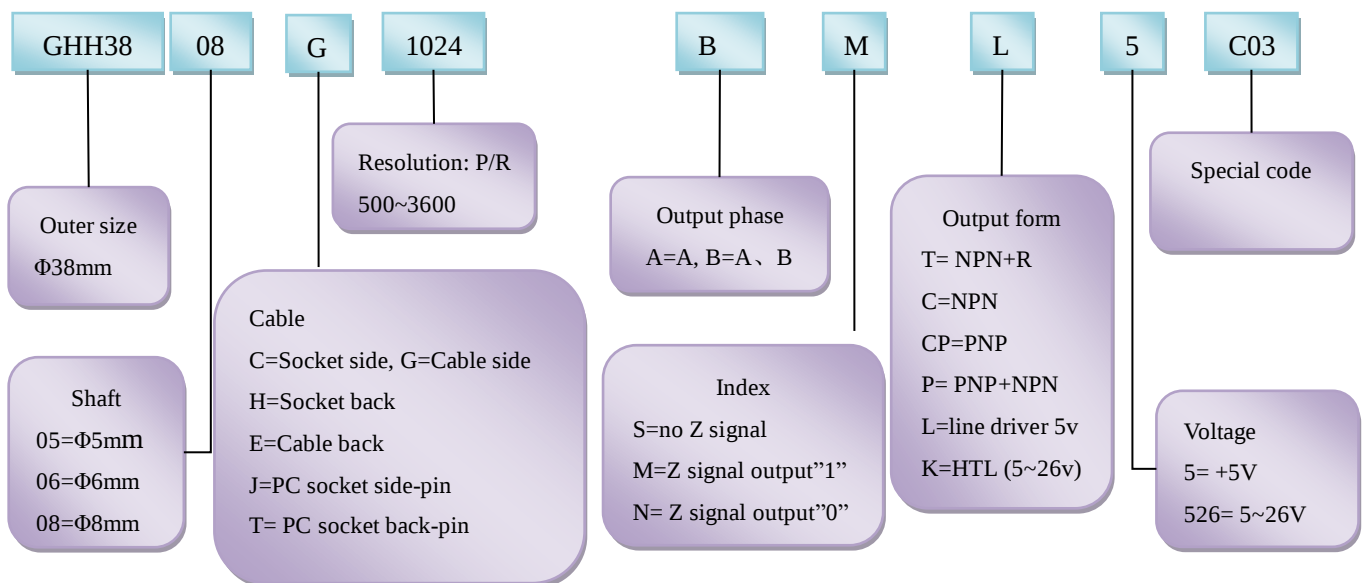
Application & Features:

Used in automatic control, measurement, robot X-Y working platform, printing and packaging.

Internal ASIC devices, high reliability, long life, strong anti-interference. more solid metal housing could anti-shock. Outlet end metal interface sets of waterproof protection.



Model



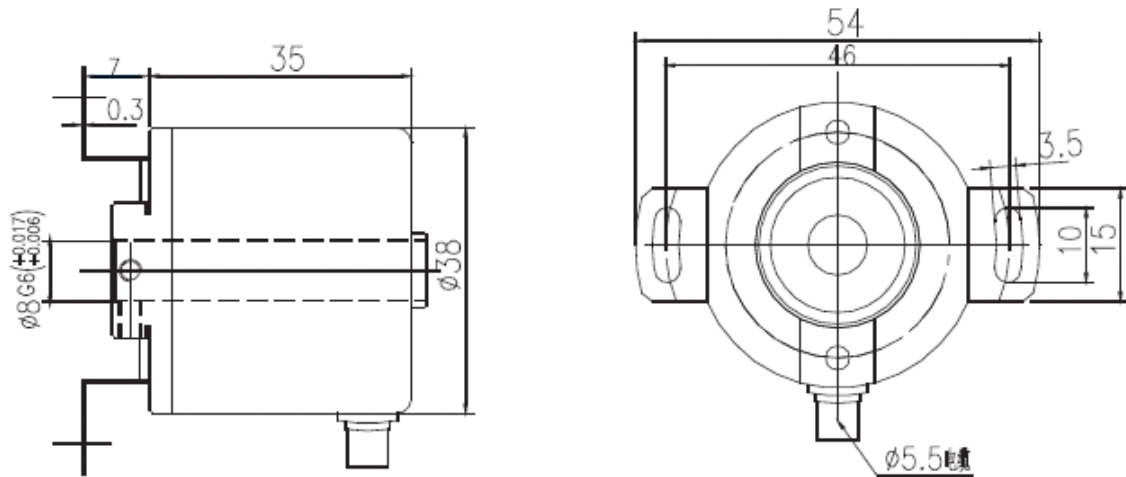
Electrical spec:

Output circuit	Open-collector output	Voltage output	Push-pull complementary outputs	Line driver/ HTL
Supply voltage	5~26V	5~26V	5±0.25 5~26	5±0.25 5~26V
Current consumption	≤80mA	≤80mA	≤80mA	≤150mA
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	300kHz	300kHz	300kHz	300kHz

Mechanical spec:

Max speed r/min	Starting torque	Axis maximum load	Impact	Anti-vibration
6000	<0.05Nm	Radial 25 N Axial 15N	50G/11ms	10G 10-2000Hz
Moment inertia	Work Temperature	Storage Temperature	Protection Degree	Weight
4 x 10 ⁻⁸ kgm ²	-40~85°C	-40~85°C	IP50	100g

Dimensions :



Output phase shift



Connections:

Signal	A	B	Z	A-	B-	Z-	Vcc	GND
Color	Green	White	Yellow	Brown	Grey	Orange	Red	Black
Without inverted signal	Green	White	Yellow	-	-	-	Red	Black