

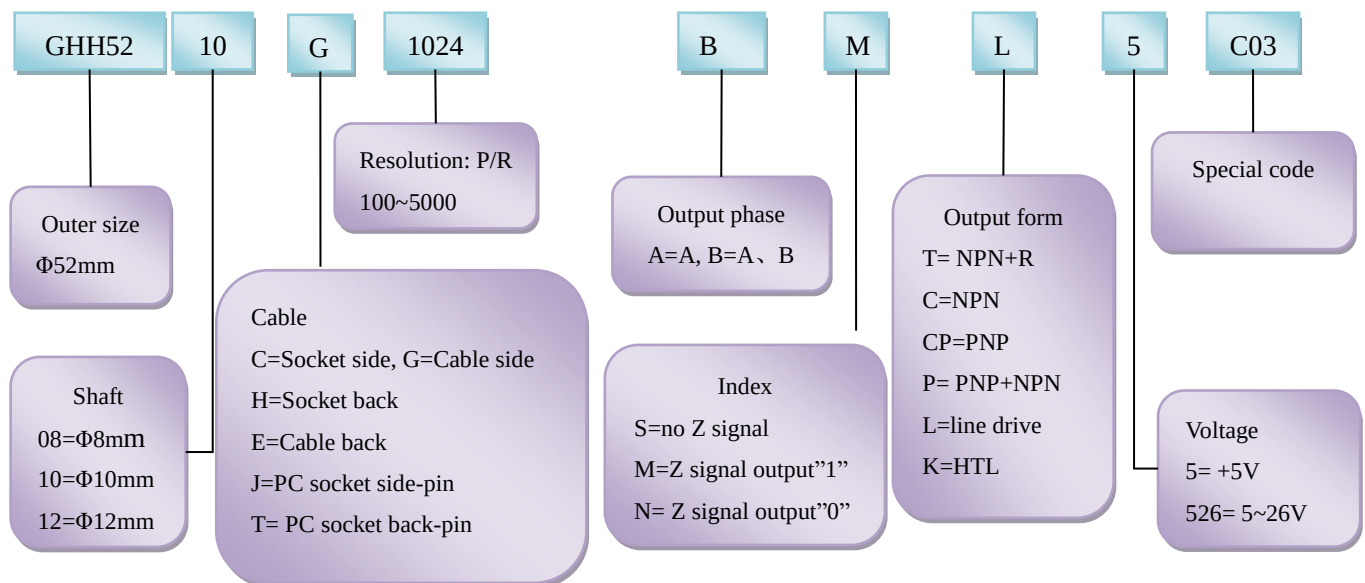
Hollow shaft incremental rotary encoder- GHH52 series

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



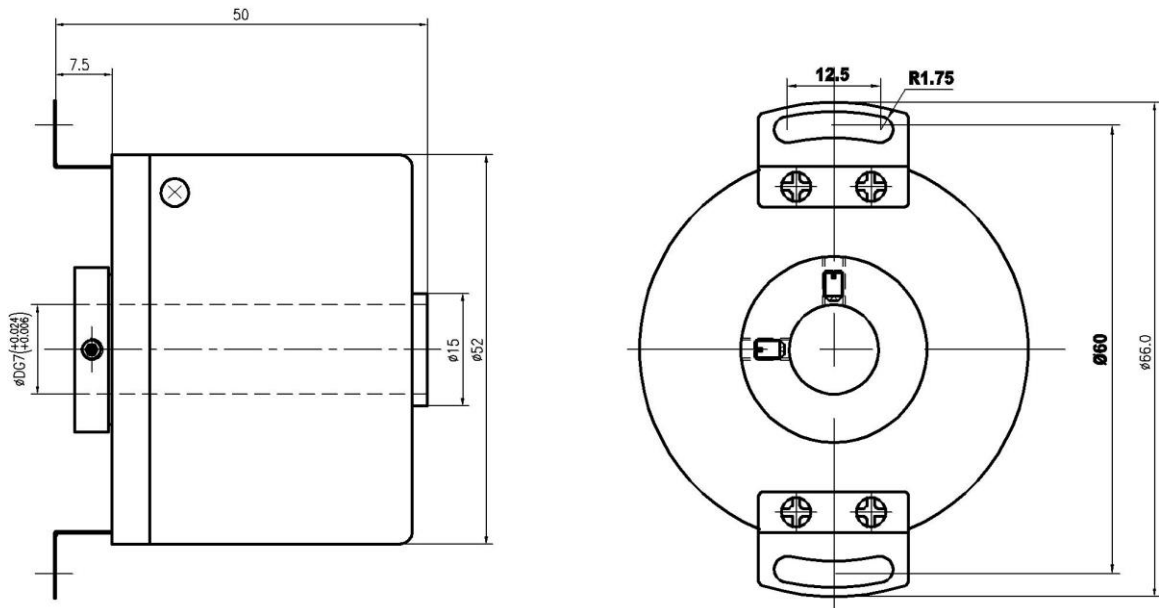
Electrical spec:

Output circuit	Open-collector output	Voltage output	Push-pull complementary outputs	driver
Supply voltage	5~30V	5~30V	5 $\pm$ 0.25 5~30V	5 $\pm$ 0.25 5~30V
Current consumption	$\leq 80\text{mA}$	$\leq 80\text{mA}$	$\leq 80\text{mA}$	$\leq 150\text{mA}$
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 1 μs	MAX 1 μs	MAX 1 μs	MAX 200ns
Fall time Tf	MAX 1 μs	MAX 1 μs	MAX 1 μs	MAX 200ns
Highest frequency response	300kHz	300kHz	300kHz	300kHz

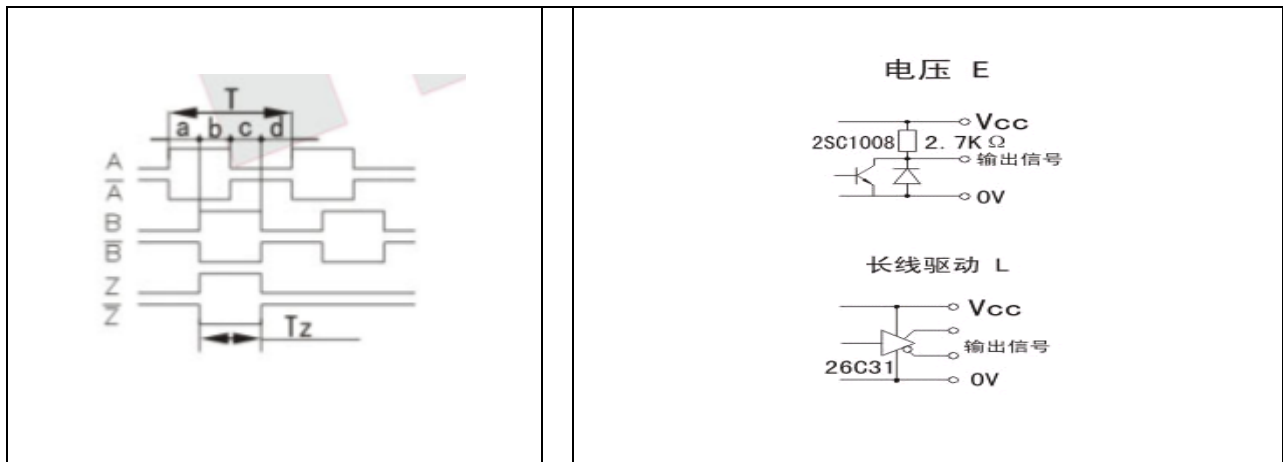
Mechanical spec:

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	250g

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