

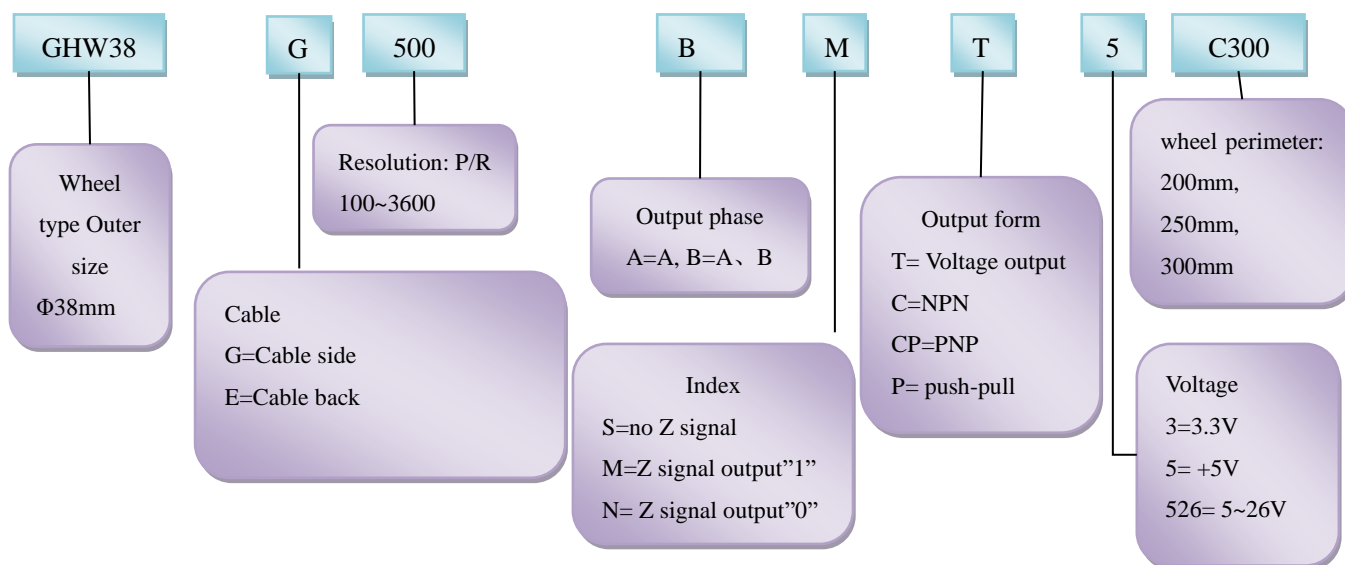
Incremental encoder-----GHW38 series

Application & Features:

Used in automatic control, measurement, robot X-Y working platform, printing and packaging. High reliability, long life, strong anti-interference. Stability and protection of the stainless steel shaft has a higher capacity, more solid metal housing could anti-shock. Outlet end metal interface sets of waterproof protection.



Model



Electrical spec:

Output circuit	Open-collector output (NPN or PNP)	Voltage output	Push-pull complementary outputs
Supply voltage	3.3V, 5~26V	3.3V, 5~26V	3.3V 5~26V
Current consumption	$\leq 80\text{mA}$	$\leq 80\text{mA}$	$\leq 80\text{mA}$
Load current	40mA	40mA	40mA
Output high	Min $V_{cc} \times 70\%$	Min $V_{cc} - 2.5\text{V}$	Min $V_{cc} - 1.5\text{V}$
Output low	MAX 0.4V	MAX 0.4V	MAX 0.8V
Rise time T_r	MAX 1us	MAX 1us	MAX 1us
Fall time T_f	MAX 1us	MAX 1us	MAX 1us
Highest frequency response	100kHz	100kHz	100kHz

Mechanical spec:

Max speed r/min	Starting torque	Axis maximum load	Impact	Anti-vibration
6000	$< 0.05\text{Nm}$	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	Vcc	GND
Without inverted signal	Green	White	Yellow	Red	Black