

G2504 Series



Features

- Internal photoelectric data reading, ultra-parallel light components, and direct reading of code disc signals.
- High reliability, long service life, and strong anti-interference capability.
- Equipped with A, B, and Z three-channel signal output, compatible with standard line drivers (26LS31) RS422, and capable of providing 6 output signals, compatible with TTL. Additional options include open-collector, voltage-type output, and complementary output interface circuits.
- Compact size, lightweight, built-in servo flange, and easy installation.

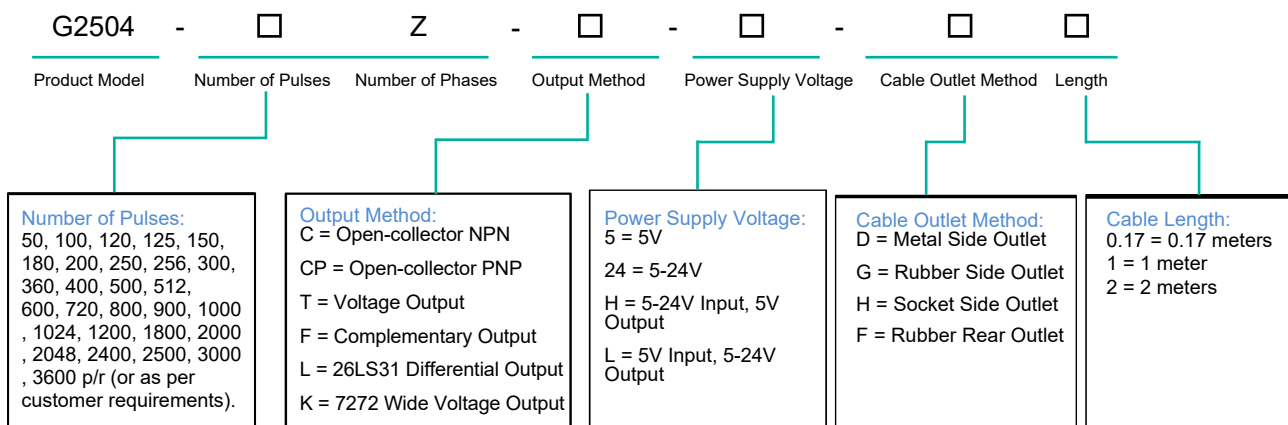
Cable Definition

Signal Output Method of the Circuit	Signal	+V	0V	A	B	Z	A/	B/	Z/	NC.
	Wire Color	Red	Black	Green	White	Yellow	Brown	Gray	Orange	Shield
Open-collector, Voltage, Complementary	7-pin Socket Number	1	4	3	5	2	-	-	-	6
Driver	9-pin Socket Number	1	4	5	3	2	7	6	8	9

Technical Parameters

Supply Voltage (VCC)	DC 5V±0.25V or 5~30V	Maximum Mechanical Rotation Speed	6000r/min
Output Voltage	High Level ≥ 3.4V, Low Level ≤ 0.4V	Vibration Resistance	49m/s², 10~200Hz, 2 hours in each XYZ direction
Current Consumption	≤160mA	Shock Resistance	980m/s², 6ms, 3 times in each XYZ direction
Response Frequency	0~80KHz (or as per customer requirements)	Protection	Waterproof, Oil-proof, Dustproof (IP54)
Output Waveform	Square Wave	Operating Life	MTBF ≥ 50000h(+25°C,2000rpm)
Duty Cycle	0.5T±0.1T	Operating Temperature	-20°C ~ +80°C
Starting Torque	1.5*10 ⁻³ N.m (+25°C)	Storage Temperature	-30°C ~ +85°C
Moment of Inertia	3.5*10 ⁻⁸ kg.m²	Operating Humidity	30 ~ 85%(No Condensation)
Maximum Shaft Load	Radial: 15N, Axial: 10N	Weight	Approximately 0.1kg (excluding cable)

Model Definition



Installation Dimensions

