>>> UZ4809 Series



Features

- Internally equipped with an ASIC phase array chip, ultra-parallel optical components, and direct reading of code disc signals.
- High reliability, long service life, and strong anti-interference capability; tapered shaft design ensures a secure connection without slipping.
- Equipped with six-channel signal outputs (A, B, Z and U, V, W), compatible with standard line drivers (26LS31) RS422, and capable of providing 12 output signals. Compatible with TTL circuit output interfaces, with optional space-saving wiring method (must be specified when ordering).

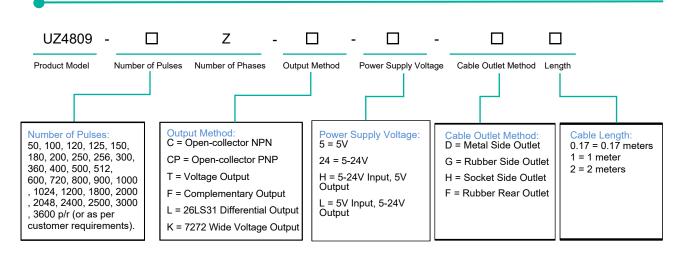
Cable Definition

Signal	5V	Α	В	Z	U	V	W	Shell
Wire Color	Red	Green	White	Yellow	Brown	Gray	Orang e	Shield
Signal	0V	A/	B/	Z/	U/	V/	W/	
Wire Color	Black	Green /Black	White/ Black	Yellow /Black	Brown /Black	Gray/ Black	Orang e/ Black	

Technical Parameters

Supply Voltage (VCC)	DC 5V±0.25V	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	0~500KHz (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	-30°C ~ +85°C	
Starting Torque	2*10°3N.m (+25°C)	Storage Temperature	-40°C ~ +95°C	
Moment of Inertia	1*10 ⁻⁵ kg.m ²	Operating Humidity	30 ~ 85%(No Condensation)	
Maximum Shaft Load	Radial: 20N, Axial: 10N	Weight	Approximately 0.3kg (excluding cable)	

Model Definition



Installation Dimensions

