

Features & Ordering Code

Features

- ※ Good reliability, long life, anti-jamming performance.
- ※ Stainless steel shaft has a higher stability and protection.
- ※ Metal shell is more solid and anti-impact.
- ※ Bearing load heavy, anti-oil and water.
- ※ Applicability to a wide variety of mechanical and industrial control.



Ordering Code

E - — Connection: Default: Cable K: Air PIN B: Semi-hollow shaft
 Pulse: 180, 200, 300, 360, 400, 500, 600, 800, 900, 1000, 1204,
 1200, 1500, 1800, 2000, 2400, 3600, 5000
 Power: A: 5VDC 5% B: 12-24VDC 5%
 Output: A: Voltage K: NPN open collector S: Impulsator D: Driver
 External Diameter: 40: 38mm/6mm/8mm (External/Shaft/Shaft Hollow)
 50: 50mm/8mm/8mm (External/Shaft/Shaft Hollow)
 60: 66mm/8mm/8mm (External/Shaft/Shaft Hollow)
 Shaft: S: Solid H: Hollow

Example: ES50-KB2000 means it is a solid shaft, 50mm external diameter, NPN open collector, 12-24VDC power, 2000 pulse.

Technical Data & Sizes

Technical Data

Power supply	12 ~ 24V DC ± 5%	Max. rotating speed	2000rpm
signal level	V/ high ≥ 85% Vcc, V/ low ≤ 0.3V	Vibration resistance	50m/ s ² , 10 ~ 200Hz, 2 hours each on X, Y, Z
Current consumption	≤ 120mA	Shock resistance	980m/ s ² , 6ms, 2 times each on X, Y, Z
Response frequency	0 ~ 100K Hz	IP rating	IP54, dustproof, waterproof, oilproof
Output wave	Square wave	Operation life	MTBF(Mean Time Between Failures) ≥ 10000h
Duty ration	0.5T ± 0.1T	Ambient temperature	(-10)°C ~ 70°C
Starting torque	1.5 X 10 ⁻³ N.m	Ambient humidity	(-30)°C ~ 85°C
Rotor moment of inertia	3.5 X 10 ⁻⁶ Kg·m ²	Storage temperature	30 ~ 85%RH (with no condensation)
Max. load	Radial ≤ 20N, Axial ≤ 10N	Weight	500g

Size

