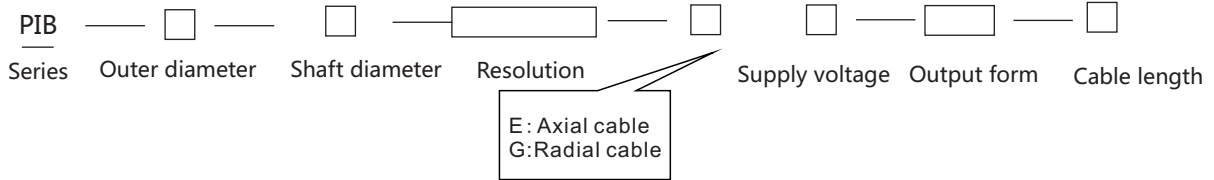


## PIB30 series



### Explanation of model



### For example

PIB-30-4-1024-G24F-1.5M is outer diameter  $\Phi 30$ , shaft diameter  $\Phi 4$ , 1024P/R, 24V, complementary (Push Pull) out put, cable length 1.5m

### Technical data

Resolution	10~5000P/R	Rotating inertia	$3.5 \times 10^{-6} \text{kg} \cdot \text{m}^2$
Supply voltage	DC5V or DC 10V~30V	Max rotating speed	6000r/min
Output voltage	$\geq V_{cc} \times 70\%$	Vibration resistance	50m/s <sup>2</sup> (10~200Hz) (XYZ 2hours)
Output voltage	$\leq 0.5V$	Shock resistance	980m/s <sup>2</sup> (XYZ2times ) last 6mS
Current consumption	$\leq 150\text{mA}$	Protection	Ip65
Output phase	A. B. Z	Operating temperature	- 10°C ~ +70°C
Frequency response	100kHz Max	Storage temperature	- 20°C ~ +80°C
Rise/fall time	$\leq 1 \mu\text{S}$ or $\leq 0.1 \mu\text{S}$	Operating humidity	30 ~ 85%RH
Starting torque	$3 \times 10^{-3} \text{N} \cdot \text{m}$ (+25°C)	Weight (no cable)	0.2kg
Shaft loading	(Radial) 40N (Axial) 20N	Accessories	

### Connection table

cable color		Red	Black	White	Green	Yellow	Blue	Orange	Brown	Shield
Output form	C/E/F	VCC	0V	A	B	Z	—	—	—	FG
	P/L/D/H/M	VCC	0V	A	B	Z	$\bar{A}$	$\bar{B}$	$\bar{Z}$	FG
7pin	CX16K7P plug	1	7	3	4	5	—	—	—	6
9pin	CX16K9P plug	4	3	1	2	5	8	9	6	7

### Output form

- E: Voltage output
- C: Open collector output
- F: Complementary output(Push pull)
- L: Line driver Output
- T: Line driver (high TTL)

### Dimension(mm)

