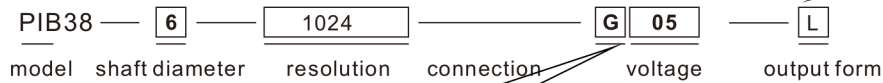


PIB38 series



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

■ Explanation of model



E: Axial cable
 G: Radial cable

■ For example

PIB38-6-1024-G05L is Outer diameter 38mm, shaft diameter $\Phi 6$, 1024P/R, side entry cable, supply voltage 5V, line driver output .

■ Technical data

Resolution	1024P/R	Rotating inertia	$3.5 \times 10^{-6} \text{kg} \cdot \text{m}^2$
Supply voltage	DC5V	Max rotating speed	6000r/min
V_H Output voltage	$\geq V_{CC} \times 70\%$	Vibration resistance	50m/s^2 (10 ~ 200Hz) (XYZeach direction 2hours)
V_L Output voltage	$\leq 0.5\text{V}$	Shock resistance	980m/s^2 (XYZeach direction 2times) last 6mS
Current consumption	$\leq 150 \text{mA}$	Protection	Ip54
Output phase	A. B. Z./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 line driver $\leq 0.1\mu\text{S}$	Operating humidity	30 ~ 85%RH
Starting torque	$3 \times 10^{-3} \text{N} \cdot \text{m}$ (+25°C)	Weight (no cable)	0.3kg
Shaft loading	Radial 40N Axial 20N	Accessories	

■ Connection table

cable color		Red	Black	White	Green	Yellow	Blue	Orange	Brown	Shield
Output form	P/L/D/H/M	VCC	0V	A	B	Z	\bar{A}	\bar{B}	\bar{Z}	FG

■ Dimension(mm)

