PIF series

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

■ Explanation of model

PIF — □ — □ — □ — □ — □□ — □

model | shaft diameter | resolution | connection | voltage | output form

E : Axial cable
G/GM:Radial cable
C:Side entry plug
J:Side entry rectangle plug

■ For example

PIF-1024-C05D is shaft diameter Φ15, 1024P/R, side entry plug, supply voltage 5V, line driver output .

■ Technical data

Resolution	100-5000P/R	Rotating inertia	3.5×10^{-6}kg·m^2
Supply voltage	DC5VorDC 10V～30V	Max rotating speed	6000r/min
V_H Output voltage	≥Vcc×70%	Vibration resistance	50m/s^2(10～200Hz) (XYZeach direction2hours)
V_L Output voltage	≤0.5V	Shock resistance	980m/s^2 (XYZeach direction2times) last6mS
Current consumption	≤150mA	Protection	IP65
Output phase	A. B. Z	Operating temperature	- 10℃～+70℃
Frequency response	100kHz Max	Storage temperature	- 20℃～+80℃
Rise/fall time	≤1μSorline driver≤0.1μS	Operating humidity	30～85%RH
Starting torque	3×10^{-3}N • m(+25℃)	Weight (no cable)	0.6kg
Shaft loading	Radial40N 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	$\overline{A}$	$\overline{B}$	$\overline{Z}$	FG
19PIN		8	10/12	1	3	2				17
19PIN		8	10/12	1	3	2	13	15	14	17
17PIN		H	K	A	C	B	N	R	P	E

■ Dimension(mm)