

A-PAL50S series



- Outer diameter $\Phi 50$ flange diameter $\Phi 25$, resolution from 10 to 17 bit.
- Shaft size $\Phi 6 \times 15$, shaft $\Phi 8$ available, SE or PE coupling can be chosen.
- Pure binary/Gray output., Side entry cable.

Explanation of model



For example

A-PAL50S6-17-G05BS is shaft $\Phi 6$, 17 bit, side entry cable, supply voltage 5V pure binary.

Technical data

Angle range	0~360°	Starting torque	$1.5 \times 10^{-3} \text{N} \cdot \text{m} (+25^\circ\text{C})$
Bit	10~17	Shaft loading	Radial20N Axial10N
Resolution	10 "	Rotating inertia	$4 \times 10^{-6} \text{Kg} \cdot \text{m}^2$
Accuracy	$\pm 30 "$	Max rotating speed	600r/min
Operating voltage	DC5V	Vibration resistance	$50 \text{m/s}^2 (10 \sim 200 \text{Hz})$
Output code	pure binary	Shock resistance	980m/s^2
Refresh	200Hz	Protection	IP65
Wiring method	Rs485 Serial	Operating temperature	30 ~ 85%RH
Operating temperature	- 40°C ~ +70°C	Weight	0.4kg
Storage temperature	- 45°C ~ +80°C		

Connection table

Plug code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Form	Vcc	0V	2^0	2^1	2^2	2^3	2^4	2^5	2^6	2^7	2^8	2^9	2^{10}	2^{11}	2^{12}	2^{13}	2^{14}	2^{15}	2^{16}	
	Parallel	20	21	22	23	24	25													Shield
	Serial	1	2	3	4	5	6	7	8	9										
	Vcc	0V	TXD+	TXD-																FG

Dimension(mm)

