

KR-A5CC

DC24V输入 5相步进电机驱动器

DC24V Input 5-phase Stepping Motor Driver



DC24V

适用于0.1~0.9A / 相
0.1~0.9A / phase

整步、半步
Full / Half-Step

箱型
Case type

规格 Specifications



项目 Items	规格值 Specifications					
电源 Power supply	DC20-35V (-10%,+20%) max.3A					
驱动电流 Output current (出厂时 0.35A/相) (0.35A/phase at shipping)	额定电流0.1~0.9A / 相 Rated current : 0.1~0.9A/phase					
驱动方式 Driving Type	双极恒流五角驱动方式 Bipolar pentagon constant current drive					
输入信号回路 Input signal circuit	信号名 Signal name	功能说明 Functional description	输入电阻 Input resistance			
	CW+	1时钟模式时的脉冲信号输入	390Ω			
	CW-	2时钟模式时的正转信号输入				
	CCW+	1时钟模式时的转向指示输入	390Ω			
	CCW-	2时钟模式时的反转信号输入				
	H.O.+ H.O.-	电机励磁OFF控制信号 “H”时电机励磁OFF	Motor exciting OFF control signal "H" for motor exciting OFF	390Ω		
		脉冲宽度 0.5μsec以上、上升下降时间 1μsec以下 脉冲间隔 0.5μsec以上、脉冲频率 50kpps以下 脉冲电压 “H” : 4~8V “L” : 0~0.5V 光电耦合器的电流从OFF (逻辑L) 到ON (逻辑H) 时动作 在1时钟模式下, CCW输入为“L”时进行CCW旋转	Pulse width : 0.5μs min., Rising-up time : 1μs max. Pulse interval : 0.5μs min., Pulse frequency : 50kpps max. Pulse voltage : "H" for 4~8V & "L" for 0~0.5V Triggered at the edge of OFF (Logic"L") to ON (Logic"H") of photo-coupler current CCW rotation with CCW input of "L" in 1-clock system			
驱动电流值设定 Setting of driving current	<p>设定驱动电流时, 将电压表连接至CP+ CP-, 并旋转RUN旋钮, 将电压设定为下式得出的电压值。 To change the RUN current, connect the CP+ to the (+) terminal of the voltmeter and the CP- to the (-) terminal of the voltmeter then adjust RUN CURRENT volume.</p> $\text{驱动电流 (A)} = \frac{\text{CP电压 (V)}}{4} \quad \text{Setting current (A)} = \frac{\text{CP voltage (V)}}{4}$ <p>设定例) 驱动电流设定为0.35A/相时, 将CP电压调整至1.4V Setting example) When drive current is set to 0.35A/phase, the CP voltage is adjusted to 1.4V.</p> <p>注) 须在电机旋转的状态下设定驱动电流。 Note) Run current should be changed during the operating of motor.</p>					
电流下降值设定 Setting of Stop current	<p>设定电机停止时的电流值。通过STOP旋钮设定 电流下降值以相对于驱动电流值的百分比 (%) 来设定 In order to reduce the heat adjusting the current, change it using STOP CURRENT volume. The setting value of STOP CURRENT volume is a percentage of the setting volume of RUN CURRENT. 设定例) 驱动电流值设定为1.4A、STOP旋钮设定为50%时, 电机停止时的电流为0.7A/相。 Ex) After setting 1.4A for Run current then put STOP CURRENT volume at 50%, the stop current will be 0.7A. 25% 75%</p>					
拨动开关设定 (出厂时的设定均为OFF) Setting of Dip-switches (All off at shipping)	No.	显示 Symbol	功能 Function	ON	OFF	
1	1/2 CLK	时钟模式切换 Switching of clock	1时钟模式 1 clock mode	2时钟模式 2 clock mode		
2	Full / Half	插值数设定 Setting of Interpolation	整步 (0.72°) Full-step (0.72°)	半步 (0.36°) Half-step (0.36°)		
工作环境温度、湿度 Operating temperature & humidity	0~40°C 85%RH以下 (无结露) 0~40°C 85%RH max. without any dew condensation.					
存放环境温度、湿度 Storage temperature & humidity	-10~70°C 85%RH以下 (无结露) -10~70°C 85%RH max. without any dew condensation.					
重量 Mass	约130g Approximately 130g					

驱动器外形尺寸 / Driver Outer Dimensions

