

SD4015B3

DC24V Input 2-phase Stepping Motor Driver



DC24V

0.25~1.5A / phase

Full / half step

Board type

Specifications



Items	Description	Note	
Input voltage	DC+18V~36V		
Output current	0.25~1.5A peak(±5%)/phase	Being lower rated output current beyond Power Supply 24V	
Drive method	Chopper mode by Bipolar constant current	It can be used for uni-polar type.	
Current down function	Auto Current down Adjusting to set lower current of CND volume about 0.25 ~ 1 second after pulse stop	Selectable by switch.	
Maximum input pulse cycle	200Kpps		
Adjusting	RUN	For excitation current(0.25~1.5A)	The default factory setting is 1A.
	STOP	For current down value on current down mode.	Selectable between 10% to 60% of RUN current.
	MIX	Mixed Decay ratio (0%, 20%, 40%, 80%)	The default factory setting is 80%
	JOG	For JOG speed setting.	300pps~14Kpps
Select function	SW-1,2,3	Select of Resolutions	1/2, 1/8, 1/10, 1/16, 1/20, 1/32, 1/40, 1/64
	SW-4	ON/OFF for function of auto current down mode.	Switch ON is active and OFF is no active. The default factory setting is ON.
	SW-5,6	Select of JOG function	SW-5 ON is active for JOG, SW6 ON is CW, OFF is CCW
	SW-3	Select of Mix-Decay ratio	
	JP1	Select of 1-pulse, 2-pulse	
Input signals	P+,P-	Pulse Command	Selection of 1 pulse an 2 pulse for pulse command. Isolated by photo coupler
	D+,D-	Direction Command	
	OFF+,OFF-	No excitation	
Output signals	ALM+,ALM-	Alarm (Prospecting of over-heat for Power device) Output at over 170°C(Typ.) of power device	Photo Isolation, ON is active, OFF is no active(ALARM).
Dimension	W72×D50×H21		
Operating Temperature and Humidity	0~40°C、35~80% RH	No condensation	
Storage Temperature and Humidity	-20~+85°C、35~80% RH	No condensation	
Mass	Approximately 40g		

Stepping Motor Driver

Driver Outer Dimensions

