

Specification of Driver

Cable



Oriental Motor 5-phase Stepping Motors RK545AA (AMA) / RK566AAE (AMAE)

Driver Basic Specifications

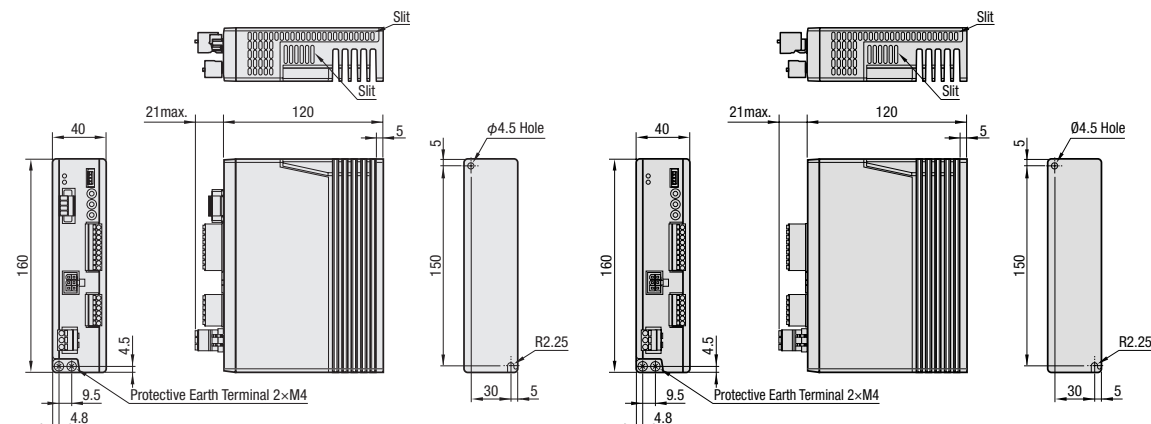
Input Power Supply	Single-phase 100-120 V, -15 ~ +10%, 50/60 Hz
Velocity and Position Control Commands	Pulse Input
Maximum Input Pulse Frequency	When the host controller is a line driver output: 500 kHz (When pulse duty is 50%) When the host controller is an open-collector output: 250 kHz Negative logic pulse input
Protection Functions	When an alarm is generated, the ALM output is turned OFF, the motor excitation is shut down, and the holding torque disappears. At the same time, the alarm LED blinks. If the motor has an electromagnetic brake, the electromagnetic brake is automatically retained. [Overheat in main circuit, Overvoltage, Overspeed, Overcurrent, Undervoltage, Electromagnetic brake automatic control error, Electrolytic condenser error, EEPROM error, CPU peripheral circuit error]
Input Signal	Input signal voltage: 11.4~26.4 V [AWO, CS, FREE, ALM-RST] Input signal voltage: 3~5.25 V [CW (PLS) +5 V, CCW (DIR) +5 V] Input signal voltage: 21.6~26.4 V [CW (PLS) +24 V, CCW (DIR) +24 V]
Output Signal	Photo Coupler / Open-Collector Output External use conditions: 30 VDC, 10 mA max. [READY, ALM, TIM]
Function	When an alarm is generated, the ALM output is turned OFF, the motor excitation is shut down, and the holding torque disappears. At the same time, the alarm LED blinks. If the motor has an electromagnetic brake, the electromagnetic brake is automatically retained. [Overheat in main circuit, Overvoltage, Overspeed, Overcurrent, Undervoltage, Electromagnetic brake automatic control error, Electrolytic condenser error, EEPROM error, CPU peripheral circuit error]
Insulation Resistance	100 MΩ or more when a 500 VDC megger is applied between the following. - Protective ground terminal - power supply terminal - I/O signal terminal - power supply terminal
Dielectric Strength Voltage	No error when the prescribed voltage is applied for one minute between the following. - Protective ground terminal - power supply terminal: 1.8 kVAC, 50 Hz or 60 Hz - Signal I/O terminal - power supply terminal: 1.9 kVAC, 50 Hz or 60 Hz
Operating Environment (in Operation)	Operating Temperature
	Operating Humidity
	Ambience

*1 When mounted on a heat sink equivalent to or greater than a 200 x 200 x 2 mm aluminum plate

External Dimension Diagram

Standard Type With Electromagnetic Brake

Standard Type



Recommended for use with LX Single Axis Actuator with motor. A 3m long cable is included as the standard accessory; if different cable length is required, order the cable separately. Other than those listed on this page, FA Electronics Catalog lists more various items with shield or custom alterations. For details, please see Wiring Components Catalog. Please check with the latest Wiring Components Catalog or MISUMI eCatalog.

Cables for Oriental Motors

Part Number	Cable Type	Length (m)	Unit Price	Applicable Actuator Series	Motor Type	Motor Driver Set Part Number	Dimensional Drawing (Unit: mm)
CC010VA2R2	For no-brake type	1	5,240	LXM20	T1E	AR26SAK	
CC020VA2R2		2	5,790				
CC030VA2R2		3	6,440				
CC050VA2R2		5	7,720				
CC070VA2R2		7	9,560				
CC100VA2R2		10	12,510				
CC150VA2R2		15	17,660				
CC200VA2R2	20	22,810					
CC300VA2R2	30	33,120					
CC010VAR	For no-brake type	1	5,420	LXM20 LXM26 LXM30 LXM45	T2E T3E	AR46AA AR66AA	
CC020VAR		2	5,980				
CC030VAR		3	6,620				
CC050VAR		5	7,910				
CC070VAR		7	9,750				
CC100VAR		10	12,690				
CC150VAR		15	17,840				
CC200VAR	20	23,000					
CC300VAR	30	33,300					
CC010VARB	For motor with electromagnetic brake*1	1	7,630	LXM20 LXM26 LXM30 LXM45	T2BE T3BE	AR46MA AR66MA	
CC020VARB		2	8,550				
CC030VARB		3	9,560				
CC050VARB		5	11,590				
CC070VARB		7	14,160				
CC100VARB		10	18,210				
CC150VARB		15	25,200				
CC200VARB	20	32,200					
CC300VARB	30	46,180					
CC010VPF	For no-brake type	1	2,300	LXM20 LXM26 LXM30 LXM45	T4E T5E	RKS545AA RKS566AA	
CC020VPF		2	2,620				
CC030VPF		3	2,940				
CC050VPF		5	3,580				
CC070VPF		7	4,780				
CC100VPF		10	6,530				
CC150VPF		15	9,560				
CC010VPFB	For motor with electromagnetic brake*1	1	3,400	LXM20 LXM26 LXM30 LXM45	T4BE T5BE	RKS566MA	
CC020VPFB		2	3,910				
CC030VPFB		3	4,410				
CC050VPFB		5	5,420				
CC070VPFB		7	6,990				
CC100VPFB		10	9,290				
CC150VPFB		15	13,240				
CC200VPFB	20	17,110					

*1 Motors with electromagnetic brake are supplied with a lead wire exit.