YASKAWA ELECTRIC CORPORATION

MECHATROLINK-III Motion control module (with CPU function) MPU-01

Features

- The MPU-01 is an optional multi-CPU module equipped with SVC module function.
- One controller can be mounted with maximum 16 MPU-01 modules.
- The MPU-01 module can be used combining with upper controller such as MP2100M, MP2300S, MP2310, CPU-03, or CPU-04.

Models: JAPMC-CP2700-E

MPU-01

Specifications

Item	Specifications
Control Method	Motion control with MECHATROLINK-III using position, speed, and torque references.
Number of Controlled Axes	16 axes max.
Applicable Servo Drivers	SGDV-□□□□21□, SGDV-□□□□25□
Reference Unit Minimum Setting	1, 0.1, 0.01, 0.001, 0.0001, 0.00001 (Units: mm, inch, deg, pulse, μm)
Max. Programmable Value	-2147483648 to 2147483647 pulses (signed 32-bit value). Unlimited feeding is also available.
Motion Commands	Positioning, linear interpolation, circular interpolation, zero-point return, skip, set time positioning, and external positioning.
Fast-forward Speed	1 to 2147483647 [Reference Units/min]
Interpolation Feed Speed	1 to 2147483647 [Reference Units/min]
Override Function	0.01% to 327.67% (Positioning: by axis; Interpolation: by group)
Acceleration/Deceleration Control	Linear, asymmetric, S-curve, and index.

MECHATROLINK specifications

		M-III			
		16-byte	32-byte	48-byte	64-byte
Profile	Standard servo	-	-	×	-
	Standard I/O	×	×	×	×
	Standard Stepping Motor Drivers	-	-	×	-
	Standard Inverter	-	×	-	×
Transmission cycle		125 μs, 250 μs, 500 μs, 1ms			

Contact Information

Please access YASKAWA website (Please click. Then you can access.)
YASKAWA has sales and after-sales service all around the world.
America: U.S.A., Brazil, Canada, Mexico
Asia Pacific: China, Korea, Taiwan, Singapore, India
Europe: Germany, Sweden, Israel, Italy, France, Spain, Finland, Netherlands, Slovenia, Czech republic, Turkey