

YASKAWA ELECTRIC CORPORATION

MECHATROLINK-III Motion control module SVC-01

Features

The SVC-01 module is a motion module equipped with the interface for MECHATROLINK-III.

A multi axes control with less wiring can be made by adopting MECHATROLINK. The MECHATROLINK-III enables position, speed, torque, and phase control for highly accurate synchronized control. In addition, sophisticated machine operations can be performed by switching the control mode while the axis is moving.

Models : JAPMC-MC2320-E



SVC-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

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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