YASKAWA ELECTRIC CORPORATION

MECHATROLINK- II Σ-V mini Ultra-Compact AC Servo Drives

Features

- More compact than ever
  The ultra-compact drive enables more effective use of limited space, and opens up more space for the controller and equipment.
- DC power input supported
  The battery-powered, ultra-compact, and high-performance servo drives makes battery-powered transport systems such as clean robots and clean Automatic Guided Vehicles (AGV) much more efficient.
- Cutting edge technologies for superior performance and ease of use
  The new advanced auto tuning function allows you to achieve an optimal setup for your system in minimal time. The following functions are also provided: Model following control to minimize positioning time, vibration suppression function to suppress vibrations from equipment, friction compensation function for high load-variation applications, and the new tuning less function for system operation startup and for high load-variation applications.
  Type: SGDV-□□□E11□ (□: dependent on a spec.)

Specifications

Item		Specifications
Performance		Speed - Frequency characteristics: 1.6 kHz (Load conditions: Load inertia JL=Motor inertia JM)
		Torque control accuracy Repeatability) : ±1%
MECHATROLINK Communications	Control Specifications	Position control, speed control and torque control through MECHATROLINK- II communications
	Command Type	MECHATROLINK commands for sequence, motion, data writing/reading, monitoring, adjustment, etc.
Applicable Motor Capacity		3.3 W to 30 W
Encoder Resolution		17 bits (absolute encoder only)
Input Signals	Number of channels	3ch. Signal alllocations and positive/negative logics can be modified.
	Function	Forward run prohibited, Reverse run prohibited, Forward torque limit, Reverse torque limit, Extaernal latch signal, Homing deceleration switch signal
Output Signals	Number of channels	3ch. Signal alllocations and positive/negative logics can be modified.
	Function	Positioning completion, Speed coincidence detection, Servomotor rotation detection, Servo ready, Torque limit detection, Speed limit detection, Break interlock, Warning, NEAR
Protective Functions		Overcurrent, Overvoltage, Low voltage, Overload, Regeneratio error, Over speed, etc.
Standards Compliance		UL, CE (EMC, Low Voltage Directive), RoHS Directive
Mounting		Base-mounted

MECHATROLINK specifications

		M- I	M- II	
		17-byte	17-byte	32-byte
Command	Servo	-	×	×
Transmission cycle			0.25ms to 4ms	

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