

MP3300iec



Operating Environment	
Ambient Temperature	0 °C to 60 °C (forced cooling is required if 55°C is exceeded.)
Humidity	max. 95% RH (non condensing)
Storage Temperature	-25 °C to 85 °C
Altitude	2,000 m above sea level or lower
Pollution Level	Conforms to JIS B 3502 Pollution Degree 2
Corrosive Gas	There must be no combustible or corrosive gas
Mechanical Conditions	
Vibration Resistance	Conforming to JIS B 3502:
	Continuous vibration: 5 to 9 Hz with single amplitude of 1.75 mm
	9 to 150 Hz with fixed acceleration of 4.9 m/s ²
	Intermittent vibration: 5 to 9 Hz with single-amplitude of 3.5 mm
	9 to 150 Hz with fixed acceleration of 9.8 m/s ²
Shock Resistance	10 sweeps each in X, Y, and Z directions for both intermittent and continuous vibration
	Size of shock: Peak acceleration of 147 m/s ² (15 G) Duration: 11 ms 3 times each in the X, Y, and Z directions
Electrical Conditions	
Noise Resistance	Conforming to EN 61000-6-2, EN 61000-6-4 and EN 55011 (Group 1, Class A)
	Power supply noise (FT noise): 2 kV min., for one minute
	Radiation noise (FT noise): 1 kV min., for one minute
	Ground noise (impulse noise): 1 kV min., for 10 minutes
	Electrostatic noise (contact discharge method): 6 kV or more, 10 times
Ground	Ground to 100 Ω max.
Cooling Method	Natural cooling or forced-air cooling
Controller Details	
CPU Speed	400 MHz
Number of option module slots	1, 3 or 8
User Variable Memory	32 MB
Power Unit	Input Voltage: 24 Vdc
	Input Current: 1.0 A max (at rated input/output) for 1 slot module 1.5 A max (at rated input/output) for 3 slots module
	Battery: Battery for memory retention attachable at the bottom of the CPU unit
Motion Network	MECHATROLINK-III: 1 channel, 2 connectors
	SERVOPACK and I/O for up to 20 slave nodes connectable (SERVOPACK for up to 20 axes)
	Baud rate: 100 Mbps (MECHATROLINK-III)
Communication Function	Ethernet: 10Base-T or 100Base-TX
Ethernet Protocols	Ethernet/IP and Modbus TCP/IP standard on all units, User specific protocols can be written using Y_DeviceComm firmware library
Software	MotionWorks IEC Express
	MotionWorks IEC Pro