

Motion Controller LSMMT-E32A/C



Stand-Alone Motion Controller

Classification	Item	Data
Processing Speed	Standard	6.25ns (with ordinary contacts and coils)
	MOVE	5ns (with WORD type)
	Arithmetic	30ns (with WORD type)
Program Memory	No. of Modules Supported	Up to 256
	Capacity	10MB (Motion control) and 10MB (NC Control) total
Control Slaves	Slave	64 Slaves
Communication Type	EtherCAT (CoE: CANopen over EtherCAT, FoE: File Access over EtherCAT)	
Communication Cycle	0.5ms, 1ms, 2ms and 4ms (Same as main task cycle)	
Supported Servo Drives	Servo drives with EtherCAT CoE support	
Ethernet	Communication Speed	Auto / 10Mbps / 100Mbps
	Communication Port	1 Port
	Communication Distance	Up to 100m between nodes

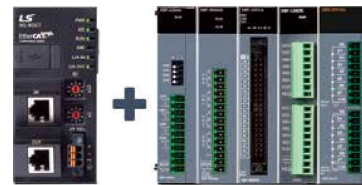
Servo Drive L7MMT



L7MMT	001U	002U	004U	008U	010U	020U	035U	050U	075U	150U
Capacity [kW]	0.1	0.2	0.4	0.75	1.0	2.0	3.5	5.0	7.5	15.0
Main Power Input	3Phase AC200[V] ~ 230[V], 50 ~ 60[Hz]									
Control Power Input	1Phase AC200[V] ~ 230[V], 50 ~ 60[Hz]									
Rated Current Output	1.4	1.7	3.0	5.2	6.75	13.5	16.7	32.0	39.4	76.0
Maximum Current Output	4.2	5.1	9.0	15.6	20.25	40.5	50.1	90.9	98.5	190.0
Control Performance	Speed control of 1:5000									
Communication Specifications	EtherCAT communication: Synchronization through FoE / EoE / CoE and DC (Distributed Clock), minimum DC cycle 250[μs] Profile Position Mode, Profile Velocity Mode, Profile Torque Mode, Cyclic Synchronous Position Mode									
Input / Output	Digital input : 8ch, Digital Output : 4ch, Analog input : 1ch, Analog Output : 2ch									
Safety Features	STO (STO1, STO2 input and EDM output)									

EtherCAT-Based Smart I/O (Expansion type)

- Expansion-type EtherCAT I/O communication adapter
- Supports 15 digital I/O modules: TR (SINK/SOURCE) and Relay
- Supports 14 special I/O modules: LoadCell, HSC, Temperature, Analog etc.
- Up to 8 modules per adapter node
- Supports DC5V output (3.0A)



EtherCAT-Based Smart I/O (Block type)



- Block-type EtherCAT network I/O
- Six-model configuration (3 analog models and 3 digital)
 - Digital: 16 IN/16 OUT, 32IN, 32 TR OUT (APS-EC-D232/DT32K/TR32K)
 - Analog: 4 Voltages / 4 Currents, 8 Voltages and 8 Currents I/O (APS-EC-AH1S/AH2S/AH3S)
- Uses both NPN / PNP input
- Individual status LED per I/O, fast I/O processing of 100 Mbps
- Vibration- and shock-resistance complies with IEC 61131-2 standard
- Up to 100m between nodes
- Operational voltage: DC 240V (20.4 - 28.8, ripple under 5%), 30mA
- Rated Current: 5mA input, 0.5A/connection, 3A/COM
- Response Time: Under 1ms
- Common Type: 16 connections/COM
- Terminal Block: (M3X6 screw type)
- Analog voltage range: 0~5[V], 1~5[V], 0~10[V], -10~+10[V]
- Analog current range: -5~+5[V], 0~20[mA], 4~20[mA]