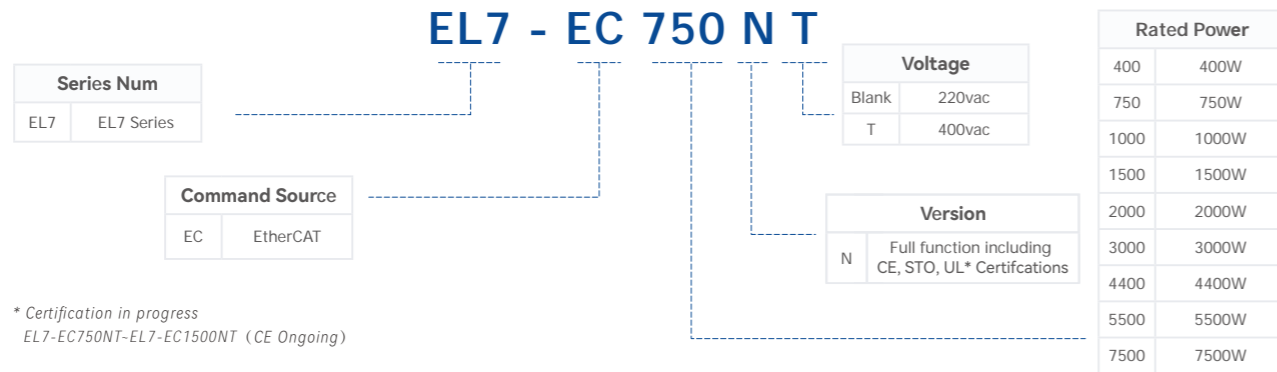


Model number structure



Specifications

1-phase / 3-phase 200-240VAC, 50/60Hz

Models	Power rating (W)	Rated current (Arms)	Peak current (Arms)	Dimensions (mm)
EL7-EC400N	400	3.5	9.5	40*175*179
EL7-EC750N	750	5.5	16.6	50*175*179
EL7-EC1000N	1000	7.0	18.7	
EL7-EC1500N	1500	9.5	31.1	80*175*179
EL7-EC2000N	2000	12	36	

3-phase 380-440VAC, 50/60Hz

Models	Power rating (W)	Rated current (Arms)	Peak current (Arms)	Dimensions (mm)
EL7-EC750NT	750	2.7	8.6	55*175*179
EL7-EC1000NT	1000	3.5	10.6	
EL7-EC1500NT	1500	5.4	14.9	80*175*179
EL7-EC2000NT	2000	8.4	24.8	
EL7-EC3000NT	3000	11.9	33.2	90*250*230
EL7-EC4400NT	4400	16.5	38.9	
EL7-EC5500NT	5500	20.8	51.6	
EL7-EC7500NT	7500	25.7	63.6	



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D250319

EL7-EC Series

General Purpose EtherCAT AC Servo Drives

Product Introduction

EL7 – EC Series

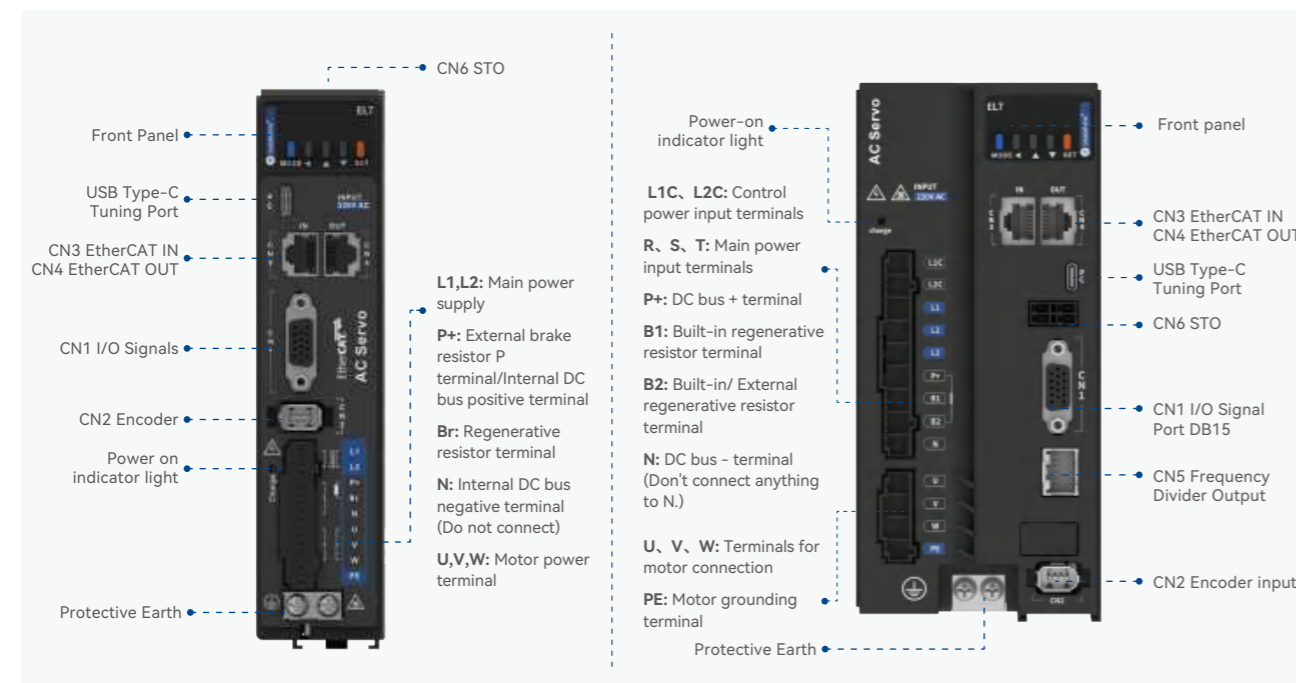
EL7-EC Series AC servo products are high performance AC digital servo which is designed for position/velocity/torque high accurate control with power rating ranging up to 2kW for 220VAC models and 7.5kW for 400VAC models which provides a perfect solution for different applications with easy tuning process.



Applications



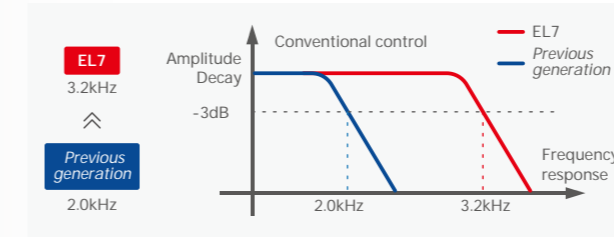
Ports & Connectors



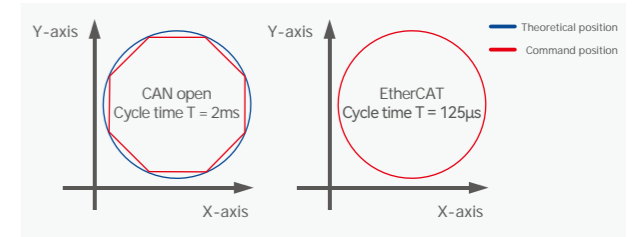
Servo drive features

Drive performances

- Frequency response (kHz)
Quicker system response of 3.2kHz for higher precision control.

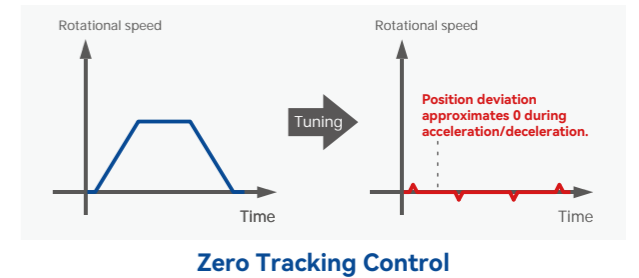
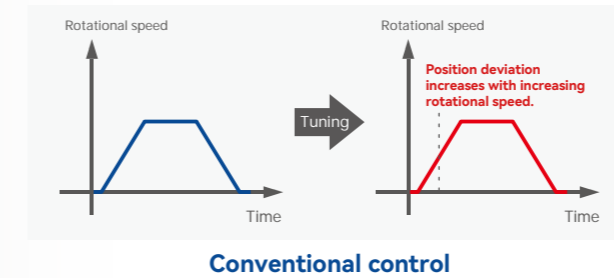


- Communication cycles
Communication cycle time as short as 125µs for better position control



Functionalities

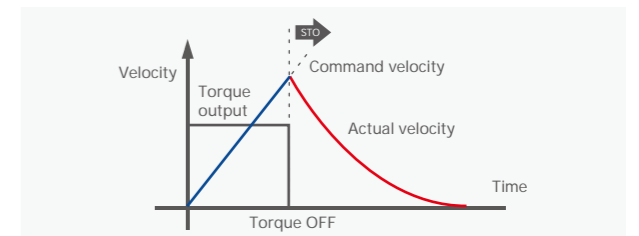
- Zero tracking control
Able to realize a zero position deviation during acceleration/deceleration by improving multi-axis precision and following.



- Servo motor
Better reliability with IP ratings of IP67 in addition to higher max. speed/torque and overload rate up to 350%

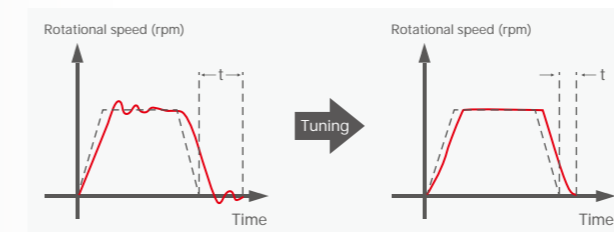


- Safe Torque Off (STO) SIL3
Ensures that no torque-generating energy can act upon a motor at emergency stop and prevents unintentional starting.



Tuning

- Easy tuning
Follow a few simple steps to get servo tuning done. Tested and proven to be easy to use and effective.



- Multiple axes tuning
EtherCAT drives can be tuned at the same time if linked in the same network through EtherCAT ports.

