



New Product Launch

Newsletter

## ASDA A2-E EtherCAT<sup>®</sup> Interface Servo Drive

### Introduction

ASDA A2-E is an advanced AC Servo Drive, developed from ASDA A2 series, with EtherCAT communication interface. It is designed to comply with IEC61158 and IEC61800-7 to enable faster, real-time, and accurate performance in high-end applications. In this new Servo Drive, all the modes of CoE device profile based on CiA402, and all command types of EtherCAT are fully supported.

In addition to the EtherCAT communication function, A2-E features the Safe Torque Off integrated, short cycle time, and extension digital input port, which makes the A2-E ideal for multi-axis synchronization application in the machinery automation field. A wide range of rated power in this series is available to drive the motors from 400W to 7.5KW for 400V\* and 100W to 3KW for 220V.



\* 7.5KW 400V drive model will be available soon



### Features

- Touch probe function can be enabled by either two dedicated DI on CN7 or external encoder.
- Integrated STO (Safe Torque Off) safety function, according to the standards of IEC61508, SIL2; IEC62061, SILCL2; ISO13849-1, Cat. 3 PL=d
- Wide power range coverage in 220V and 400V
- Support Full-closed loop control
- Support absolute type\* and incremental type ECMA Series motors

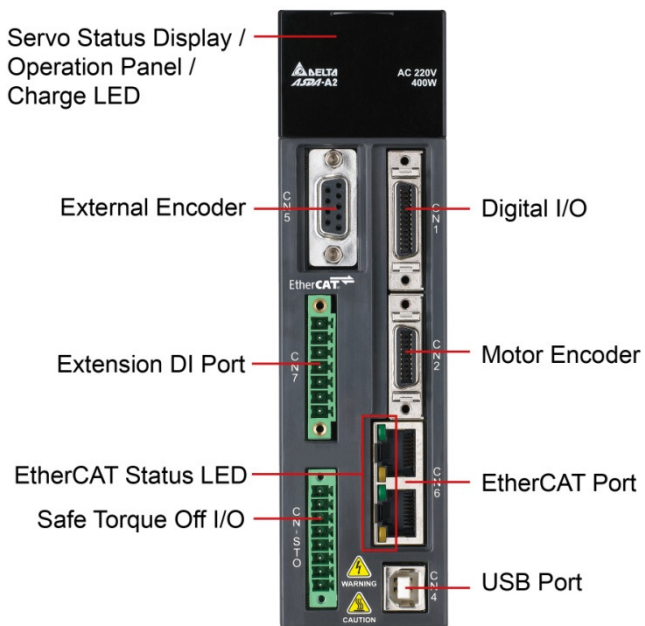
### Communication Specification

Physical Layer	IEEE802.3u (100 BASE-TX)
Data Link Layer	APRD, FPRD, BRD, LRD, APWR, FPWR, BWR, LWR, ARMW, FRMW, APRW, FPRW, BRW, LRW
Device Profile (CiA402)	Homing Mode, Profile Position Mode, Profile Velocity Mode, Profile Torque Mode, Interpolated Position Mode, Cyclic Syn. Position Mode, Cyclic Syn. Velocity Mode, Cyclic Syn. Torque Mode, Touch Probe Function, Torque Limit Function
Process Data Size	Tx: 8 Object (32 byte, Max.); Rx: 8 Object (32 byte, Max.) Dynamic Mapping supported.
Bus Clock	DC cycle with min. 250 us*
LED Indicator	EtherCAT Link/Activity Indicator (L/A) x 2 EtherCAT RUN Indicator (RUN) x 1 EtherCAT ERROR Indicator (ERR) x 1

\* This function will be available in the coming new version upon further notice



## Front Side Description


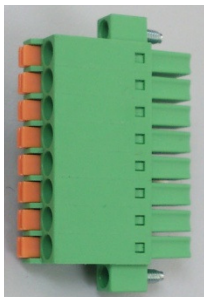


## Ordering Information

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ASD	-	A2	-	04		21	-	E	
		Series: A2							EtherCAT model
									Input Voltage and Phase
									21: 220V 1-phase/3-phase
									23: 220V 3-phase
									43: 400V 3-phase
									Rated Output Power
									01: 100W
									15: 1.5kW
									02: 200W
									20: 2kW
									04: 400W
									30: 3kW
									07: 750W
									45: 4.5kW
									10: 1kW
									55: 5.5kW

## Accessory specific to ASDA A2-E

Part Number	ASD-CN10026	Part Number	ASD-CNFS0808
Description	CN1 connector	Description	Pack of connector used for STO wiring, 8 pcs connector in one pack
			



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### Launch Time and MOQ

Model	MOQ	Launch Time
ASD-A2-0121-E	4	Available Now
ASD-A2-0221-E	4	Available Now
ASD-A2-0421-E	4	Available Now
ASD-A2-0721-E	4	Available Now
ASD-A2-1021-E	4	Available Now
ASD-A2-1521-E	4	Available Now
ASD-A2-2023-E	2	Available Now
ASD-A2-3023-E	2	Available Now
ASD-A2-0443-E	4	Available Now
ASD-A2-0743-E	4	Available Now
ASD-A2-1043-E	4	Available Now
ASD-A2-1543-E	4	Available Now
ASD-A2-2043-E	2	Available Now
ASD-A2-3043-E	2	Available Now
ASD-A2-4543-E	2	Jun/E
ASD-A2-5543-E	2	Jun/E
ASD-A2-7543-E	2	Aug/E
Accessory		
ASD-CNFC0026	4	Available Now
ASD-CNFS0808	1	Jun/E