

PRODUCT DATASHEET

ES-SD-C21-S002-V006

Industrial Motion Controller

Medium Power Servo Drives | Medium-Power Servo Drive Series - ES-SD-C21-S002

Product Overview

Industrial Motion Controller with logic Supply Voltage 18 to 30 VDC, 1 A, peak Output Current A / 25 A and communication Protocol RS232; EtherCAT; CoE CiA 402.

Key Specifications

PARAMETER	VALUE	UNIT
Logic Supply Voltage	18 to 30 VDC, 1 A	
Peak Output Current	A / 25	A
Communication Protocol	RS232; EtherCAT; CoE CiA 402	
Weight	kg / 2.4	kg
Cooling Method	Forced-air cooling	
Rated Output Power	3000	W
Servo Drive AC Supply Voltage	3-phase 380 VAC -20%/+15%, 47-63 Hz	
Atmospheric Pressure	86-106 kPa	
Braking Absorption Voltage	680 ± 5	V DC

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
ELECTRICAL		
Logic Supply Voltage	18 to 30 VDC, 1 A	
Peak Output Current	A / 25	A
Rated Output Power	3000	W
Servo Drive AC Supply Voltage	3-phase 380 VAC -20%/+15%, 47-63 Hz	
Protection Functions	Overvoltage, undervoltage, motor I ² T overtemperature, short-circuit and drive overtemperature protection	
Overvoltage Alarm Voltage	700 ± 5	V DC
Undervoltage Alarm Voltage	400 ± 5	V DC
Braking Absorption Voltage	680 ± 5	V DC
MECHANICAL		
Weight	kg / 2.4	kg
INTERFACES		
Communication Protocol	RS232; EtherCAT; CoE CiA 402	

Technical Specifications

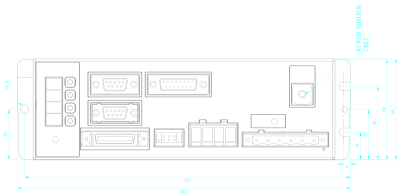
PARAMETER	SPECIFICATION	UNIT
ENVIRONMENTAL		
Cooling Method	Forced-air cooling	
Atmospheric Pressure	86-106 kPa	
Operating Temperature	0-40	°C
Relative humidity	90%RH maximum	
Storage Temperature	-10 °C-70 °C	
SAFETY		
STO Support	No / false	
ADDITIONAL SPECIFICATIONS		
Continuous output current	7	A
Protection rating	IP20	
Supply voltage	3-phase 380 VAC -20%/+15%, 47-63 Hz	

Dimensional & Integration Overview

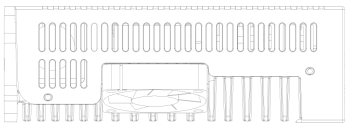
Mechanical Overview

PARAMETER	VALUE	UNIT
Weight	kg / 2.4	kg

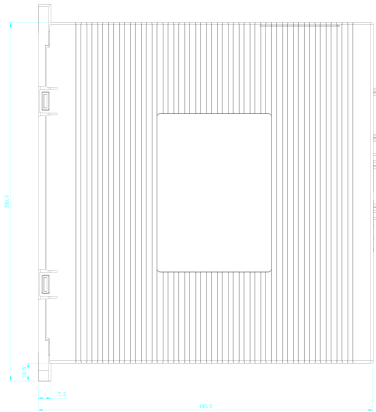
Dimensional Drawings



Mechanical View 1



Power Connector Pinout



Mechanical View 3

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Mounting hole diameter	Diameter 5.5
	Left mounting hole vertical offset	33
	Right-side overall height	66.7
	Right-side body height	66
	Right-side mounting feature vertical distance	48
	Right-side mounting hole vertical offset	33
	Right-side lower vertical offset	18
	Main body length	215
	Overall length	220
	Overall body height	Height 209.5 mm
Mechanical View 3	Bottom step or mounting offset height	Offset height 10.5 mm
	Left bottom step or mounting offset width	Offset width 7.5 mm
	Overall body length	Length 195.5 mm

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01 Specifications are subject to change without notice. Verify the current product configuration before final design release.

02 2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.