

PRODUCT DATASHEET

ES-SD-C21-S002-V005

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 / 15 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 / 15	A
Communication Protocol	RS232; EtherCAT; CoE CiA 402	
Weight	kg / 2.4	kg
Cooling Method	Forced-air cooling	
Rated Output Power	1500; 2000 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 / 15	A
Rated Output Power	1500; 2000 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	5.5	A
Protection rating	IP20	
Supply voltage	3-phase 380 VAC -20%/+15%, 47-63 Hz	

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Top mounting hole horizontal location	33 mm
	Top mounting hole diameter	Diameter 5.5 mm
	Overall height	220 mm
	Main body height	215 mm
	Bottom mounting slot horizontal location 18	18 mm
	Bottom mounting hole horizontal location 33	33 mm
	Bottom mounting hole horizontal location 48	48 mm
	Bottom mounting hole horizontal location 66	66 mm
	Bottom overall width	66.7 mm
Mechanical View 3	Overall body height	Overall height 209.5 mm
	Bottom step height	Bottom step height 10.5 mm
	Left bottom offset distance	Left bottom offset 7.5 mm
	Overall body width	Overall width 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.