PRODUCT DATASHEET

ES-SD-C21-S005-V002

Industrial Motion Controller

Medium Power Servo Drives | Medium-Power Servo Drive Series - ES-SD-C21-S005

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; RS485; Modbus RTU; CANopen.

Key Specifications

PARAMETER	VALUE	UNIT
Logic Supply Voltage	18 to 30 VDC, 1 A	
Peak Output Current	A / 25	A
Communication Protocol	RS232; RS485; Modbus RTU; CANopen	
Weight	kg / 2.51	kg
Rated Output Power	1050; 1260; 1570; 1880; 2100; 2300; 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
Braking Resistor	External resistor: 47 to 150 Ω (75 Ω reference, 200 W); minimum withstand voltage 800 VDC	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
ELECTRICAL		
Logic Supply Voltage	18 to 30 VDC, 1 A	
Peak Output Current	A / 25	A
Rated Output Power	1050; 1260; 1570; 1880; 2100; 2300; 3000 W	
Servo Drive AC Supply Voltage	3-phase 380 VAC -20%/+15%, 47-63 Hz	
Braking Resistor - External resistor	47 to 150 Ω; 75 Ω reference, 200 W	
Braking Resistor - Minimum withstand voltage	800	VDC
Overvoltage Alarm Voltage	700 ± 5	V DC
Undervoltage Alarm Voltage	400 ± 5	V DC
Braking Absorption Voltage	680 ± 5	V DC
MECHANICAL		
Weight	kg / 2.51	kg

Technical Specifications

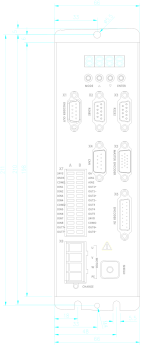
PARAMETER	SPECIFICATION	UNIT
MECHANICAL		
Dimensions (W × H × D)	220 × 195 × 66 mm	
INTERFACES		
Communication Protocol	RS232; RS485; Modbus RTU; CANopen	
ENVIRONMENTAL		
Atmospheric Pressure	86-106 kPa	
Operating Temperature	0-40	°C
Relative humidity	90%RH maximum	
Storage Temperature	-10-70	°C
SAFETY		
STO Support	Yes / 1	
ADDITIONAL SPECIFICATIONS		
Continuous output current	7	A
Protection rating	IP20	
Supply voltage	3-phase 380 VAC -20%/+15%, 47-63 Hz	

Dimensional & Integration Overview

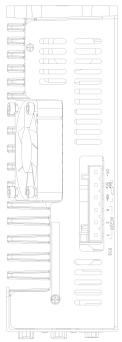
Mechanical Overview

PARAMETER	VALUE	UNIT
Weight	kg / 2.51	kg
Dimensions (W × H × D)	220 × 195 × 66 mm	

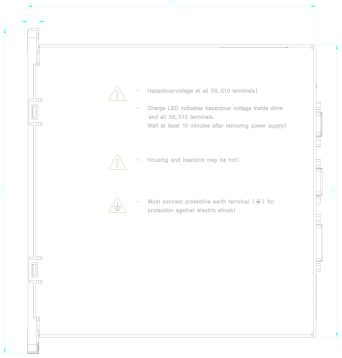
Dimensional Drawings



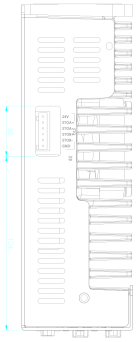
Mechanical View 1



Power Connector Pinout



Mechanical View 3



Mechanical View 4

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Panel overall width	66 mm
	Mid-section width	33 mm
	Mounting hole diameter	Φ5.5 mm
Mechanical View 3	Overall height	195 mm
	Side height 1	220 mm
	Side height 2	198 mm
Mechanical View 4	Local vertical dimension	30 mm
	Overall vertical dimension	104 mm

View Product Online Request Engineering Data Request a Quote

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.