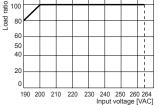


Specifications					
				CDA 400.04	
Model				SPA-400-24	
Ou	put power			400.8W	
-	Voltage ^{**1}			200-240VAC~ (permissible voltage: 190-264VAC~)	
itior	Frequency Efficiency (Typical) ^{#2} 220VAC~		000140	50/60Hz	
puo	Efficiency (Typical) ^{%2} 220VAC~ Current consumption		220VAC~	85% (after 10min of power ON)	
Input condition	(Typica	I)	220VAC~	Max. 4.6A	
	(Typica		$220VAC\sim$	Max. 1mA	
	Voltage			24VDC	
s	Current			16.7A	
istic	Voltage adjustment range ^{×3}		ange ^{×3}	22.8-25.2VDC==	
Output characteristics	Input variation			Max. ±0.5%	
	Load variation			Max. ±1%	
	Temperature drift			360mV	
	Ripple&Ripple noise			Max. 290mV	
	Start-u (Typica	p time al) ^{%2}	$220VAC\sim$	1800-2300ms	
	Hold ti	me (Typical) ^{×2}	$220VAC\sim$	Max. 17ms	
Protection	Inrush current protection (Typical) ³² 220VAC~		220VAC~	40A	
	Over-current protection		on	110 to 160% (recovers automatically after the cause for over current is removed)	
	Over-voltage protection ³³			27-33VDC	
	Temp. rising limit			Yes	
	Remote control			Yes (output voltage ON for shorting, output voltage OFF for open)	
Indicator				Output indicator: green LED	
Insulation resistance				Min. 100M Ω (at 500VDC megger between all input terminals and F.G.)	
Dielectric strength				3000VAC 50/60Hz for 1 min (between all input and output terminals)	
				2000VAC 50/60Hz for 1 min (between all input terminals and F.G.)	
Vibration				0.75mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 2 hours	
EMS				Conforms to EN61000-6-2	
EMI				Conforms to EN61000-6-4	
Safety standards				EN60950, EN50178	
En	viron-	iron- Ambient temperature		-10 to 50°C, storage: -20 to 75°C	
me	nt			20 to 90%RH, storage: 20 to 90%RH	
Fan life cycle			70,000 hours (based on 40°C of ambient temperature)		
Input cable				AWG18 to 16	
Tightening torque				0.7 to 0.9N·m	
Approval				CE	
Weight ^{×4}				Approx. 975g (approx. 885g)	
 %1: Since there is no separate input overvoltage protection for the voltage over the rated input voltage range, supplying overvoltage may result in product damage. %2: It is for 100% load. %3: Use the output voltage adjusting volume within the voltage variable range. If the voltage exceeds the output voltage range, overvoltage protection function is activated and the output is cut off. %4: The weight includes packaging. The weight in parenthesis is for unit only. %Environment resistance is rated at no freezing or condensation. 					
Dimensions (unit: m					
9-M3.5					

Wiring Diagram/Unit Description Wiring Diagram 1. Input power [L] terminal 2. Input power [N] terminal 000000000000000000 3, F.G. (Frame Ground) terminal 00000000000000000 4. Output power (-V) terminal $\partial \mathbf{e}$ **& 9**____ 5. Output power (+V) terminal 000 Unit Description A. Output indicator (Green) B. Output voltage adjuster (V.ADJ) 2 3 AB C 5 C. Remote control connector Output Derating Curve Output Static Characteristics by Ambient Temperature by Input Voltage % % atio atio oad bad 60 50 50 40 40 20 20 -10 0 10 20 30 40 50 60 70 Ambient temperature [°C] 1. Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents. 2 Do not connect the output voltage neither in serial nor in parallel



Cautions during Use

- 3. Since there is no harmonic suppression or power factor correction circuit, install the circuit separately if necessary.
- 4. Since using the condenser input method, power factor is in the range of 0.4 to 0.6. When using distribution board or transformer, check the capacity of the input voltage.
- Output active power[W] Input apparent power[VA] =
- Power factor×Efficiency
- 5. Even though a noise filter is installed inside the product, the product can be affected by noise depending on the installation location or wiring
- 6. If the internal fuse is damaged, please contact our A/S center.
- 7. To ensure the reliability of the product, install the product on the panel or metal surface. 8. Install the unit in the well ventilated place.

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190

204.8

150

190

4-M4 tap

(Both side)

- 9. Do not use near the equipment which generates strong magnetic force or high frequency noise.
- 10. This unit may be used in the following environments.
- ①Indoors (in the environment condition rated in 'Specifications') ②Altitude max, 2.000m ③Pollution degree 2
- ④Installation category II

Major Products

Photoelectric Sensors Temperature Controllers Fiber Optic Sensors Temperature/Humidity Transducers Door Sensors SSRs/Power Controllers Door Side Sensors Counters Area Sensors Timers Proximity Sensors Panel Meters Pressure Sensors Tachometer/Pulse(Rate) Meters Rotary Encoders Display Units Connectors/Sockets Sensor Controllers Switching Mode Power Supplies Control Switches/Lamps/Buzzers I/O Terminal Blocks & Cables

- Stepper Motors/Drivers/Motion Controllers
- Graphic/Logic Panels
- Field Network Devices
- Laser Marking System(Fiber, Co2, Nd:YAG)
- Laser Welding/Cutting System

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HEADQUARTERS 18, Bansong-ro 513 beon-gil, Haeundae-gu, Busan, South Korea 48002 TEL: 82-51-519-3232 E-mail: sales@autonics.com

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