2500 Series Compact System

2500C-PS-24V-35 24VDC 35 Watt Power Supply

Power Supply Specifications

Field Wiring Connector	3 Pin Removable Connector
Input Voltage Operating Range	20 VDC to 30 VDC
Total Wattage Rating	35 watts maximum output @ 0º to 60ºC
Steady State Input Current at full Load	1.57 Amps max @ 24VDC
Peak Inrush Current	17.26 Amps max @ 24VDC
Fusing	Littelfuse 0213005.MX 250V IEC SLO 5x20mm 5A I2T=314
Hold Up Time	8mSec @ 35 Watt Full Load

Module Size	Triple wide module
Isolation 24 VDC to Backplane	1500VAC
Isolation 24 VDC to Chassis	1500VDC
Operating Temp Range	0ºC to 60ºC (32ºF to 140ºF)
Storage Temperature	-40ºC to 85ºC (-40ºF to 185ºF)
Relative Humidity	5% to 95% (non-condensing)
Shipping Weight	2.0 lb. (0.91 Kg)
Agency Approvals Pending	UL, ULC, FM(Class 1, Div 2), CE

DESCRIPTION

The 2500C-PS-24V-35 is a triple wide module that provides power for the CPU and all IO modules plugged in the Compact Chassis.

FEATURES

- Triple wide module
- 24VDC Power Supply
- Maximum 35 watts backplane power
- 8 mSec holdup time

Control Technology Inc.

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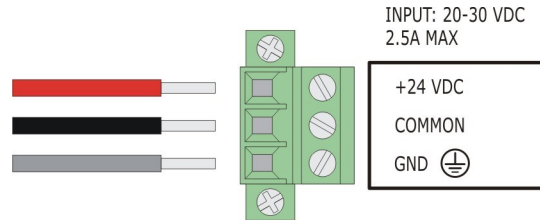CTI products are proudly Designed and Assembled in the USA

CE

Warning:
Disable all power to the base before installing or removing the power supply. Failure to do so could cause damage to the equipment or injury to personnel.

Caution:
Do not attempt to operate the 2500C-PS-24V-35 out of the Voltage Operating Ranges specified. Damage to the Power Supply could occur if out of range power input is applied.

2500C Compact Power Supplies are always located in the left most slot

INPUT: 20-30 VDC
2.5A MAX

+24 VDC

COMMON

GND

Installing Power Wiring

Use the following steps for installing and removing the 2500C-PS-24V-35 Power Supply from the 2500C Chassis.
1. Position the power supply so that the bezel is facing you.
2. Grasp the top and bottom of the power supply.
3. Carefully slide the power supply into the left most slot in the base until it engages into the backplane connector.
4. Strip power wiring back, insert the wire into the wiring connector as shown above, then tighten screws.
5. Check to make sure the power input wires are securely inserted and the fastened in the wiring connector.
6. Insert and tighten down the 3 pin removable wiring connector.
7. Be sure to tighten the top and bottom bezel screws completely.
8. Once all the chassis modules including controllers and IO are inserted then you may apply power to the power supply inputs.

To remove the power supply, remove power from the power input by removing the power wiring connector or turning off the power source, loosen the bezel screws, and pull the power supply forward out of the chassis until it clears the chassis.

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