

2513 75 Watt 24 VDC Power Supply

Classic



Description

The 2513 is a 24VDC Power Supply designed for CTI 2500 Series and SIMATIC® 505® PLCs. The triple-wide module provides up to 75watts at +5VDC for use by the PLC CPU and I/O modules.

Features

- Works in all CTI 2500 Series® or Simatic® 505 base formats except non-redundant bases
- 20-30VDC, ripple$\leq 5\%$
- Up to 75 watts @ +5VDC to PLC CPU and I/O modules
- Works in CTI bases as well 2500P-R4, 2500P-R8 and the 2500P-R16

Specifications

Field Connections:

One 3-pin 24VDC input terminal strip

Input Voltage Operating Range:

20-30 VDC

Total Wattage Rating:

75 Watts maximum output @ 0° C to 50° C (derating 1.75W/° C above 50° C)

Steady State Input Current at full load:

4.61 Amps max. @ 19VDC

Peak Inrush Current:

48 Amps max. @ 24VDC input

Fusing:

8.0 Amp 250V, 3 AG front panel accessible

Little Fuse#0217008.MXP

Hold Up Time:

10mSec @ 75W load

Isolation:

2000VAC: 24VDC-to-Backplane

500VDC: Chassis-to-Backplane

500VAC: 24VDC-to-Chassis

Module Size: Triple-wide

Shipping Weight: 5.0 lbs (2.3 kg)

Additional Product Information:

On CTI's Website you find will links to the 2500 Series Std Environmental Specifications and the UL Agency Certificates of Compliance .

Note: Currently agency approval is pending.



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ROCK SOLID PERFORMANCE. TIMELESS COMPATIBILITY.

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Power Supply Location in Base

The 2513 Power Supply can be installed in single configurations in standard bases (2500-R4, 2500-R8, 2500-R16-A, 2500P-R4, 2500P-R8, 2500P-R16). The 2513 does not provide redundancy. The power supply is installed in the leftmost slot as shown below.

2513 Power Supply is plugged into the left most slot of the base.



WARNING

Disable all power to power supply 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 2513 out of the input voltage range of 20 to 30VDC. Damage to the Power Supply could occur if out of range input is applied.



Installing and Removing the Power Supply

Use the following steps for installing and removing the 2513 Power Supply from the system base.

1. Remove power from the power supply. NOTE: In single-supply systems this will shut down the PLC.
2. Loosen the top and bottom bezel screws.
3. Grasp the top and bottom of the power supply.
4. Carefully unplug and remove the power supply from the base.
5. Tighten top and bottom bezel screws into the base chassis.

To install a new power supply, reverse procedures 1 through 4 used for removal.