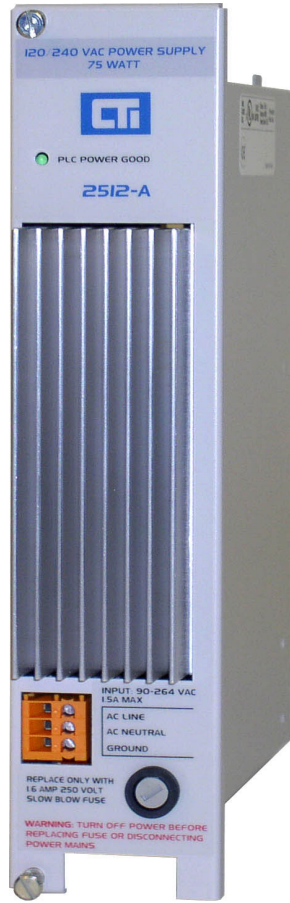


2512-A 75 Watt AC Power Supply with Redundancy Support



Description

The 2512-A is a 120/240VAC Power Supply designed for CTI 2500 Series® and SIMATIC® 505® PLCs. The triple-wide module provides up to 75 watts at +5VDC for use by the PLC CPU and I/O modules. When operated in a dual configuration in a 2500-R11-A base, it provides support for power supply redundancy.

Features

- CTI 2500 Series® / SIMATIC® 505 base format
- 90-264VAC, 47-63 Hz single phase input power
- Up to 75 watts @ +5VDC to PLC CPU and I/O modules
- Works in CTI 2500-R11-A and Siemens® 505-6511 redundant bases

Specifications

Field Connections:

One 3-pin 120VAC input terminal strip

Input Voltage Operating Range:

90-264VAC, 47-63Hz, single phase

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:

1.50 Amps max. @ 110VAC

0.75 Amps max. @ 220VAC

Peak Inrush Current:

37 Amp. max. @ 240VAC input

Fusing:

1.5 Amp 250V, 3 AG front panel accessible

Hold Up Time:

100mSec @ 75W load

Isolation:

2800VDC: 110/220 VAC-to-Backplane

500VDC: Chassis-to-Backplane

1500VDC: 110/220 VAC-to-Chassis

Module Size:

Triple-wide

Operating Temperature:

0° to 60°C (normal locations)

0° to 50°C (Class 1 Div 2 locations)

Storage Temperature:

-40° to 85°C (-40° to 185°F)

Relative Humidity:

5% to 95% (non-condensing)

Agency Approvals (pending):

UL, UL-Canada, Class 1 Div 2, CE

Shipping Weight:

5.0 lbs (2.3 kg)



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Power Supply Location in Base

The 2512-A Power Supply can be installed in single configurations in standard bases (2500-R4, 2500-R8, 2500-R16-A, 2500P-R4, 2500P-R8, 2500P-R16). For redundancy, 2512-A must be installed in a dual configuration in a 2500-R11-A or 505-6511 base. The two power supplies are installed in the leftmost two slots as shown below.



WARNING:

Disable all power to the 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 2512-A Power Supply out of the Input Voltage Operating Ranges of 90 to 264 VAC. Damage to the Power Supply could occur if out of range input is applied.

Removing and Installing the Power Supply

Use the following steps for removing and installing the 2512-A Power Supply from the system base.

1. Remove power from the power supply. NOTE: In single-supply systems this will shut down the PLC. In dual power-supply systems, be sure to leave power applied to the other supply.
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.

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

