

# Datasheet

## Compact Power Supply

### with 3 Phase Input

This switchmode power supply eliminates the need for a step down transformer in 360 - 480V, 3 phase applications.

It is powered by the three phase mains and produces 24Vdc @ 2.3A.

- 360 to 480Vac, 3 phase input
- 24Vdc @ 2.3A output
- High output surge rating
- Compact package
- Over current protection
- Output status LED
- Rugged metal housing
- Input and output socket connectors



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# Compact Power Supply with 3 Phase Input

## Specifications

### Input

Input voltage minimum		306Vac
	typical	360 - 480Vac
	maximum	550Vac
Input current	@360Vac	120mA RMS / phase
(average values for reference only)	@230Vac	100mA RMS / phase
Input protection	fuse	3 x 1A time delay (internal)
	inrush current	thermistor
	overvoltage	varistor
Efficiency @max. load		85%

### Output

Nominal output current		2.3A
Maximum ripple		< 50mV RMS
Regulation	load (10-100% load)	1%
	line	0.8%
Overload protection		overcurrent shutdown with automatic restart plus thermal shutdown
Outrush/Surge		10A / 180ms typ.
Max. load capacitance on output		10,000µF
Hold time	@360Vac	120ms
(full output current after loss of input)	@480Vac	120ms

### General

Switching frequency		100kHz
Temperature	storage	-40°C...+85°C (-40°F...185°F)
	operating	-20°C...+50°C full load (32°F...122°F)
		derate: 10% @ 60°C (140°F)
Humidity	operating	20 to 85%RH non-condensing
	storage	20 to 90%RH non-condensing
Galvanic isolation	input to output	3kV
	input/output to rail	3kV
	input to ground	1.5kV
	output to ground	500V
Wire size	input/output	0.1-4.0mm <sup>2</sup> (26-12AWG)
Dimensions (length x width x height)		108 x 60 x 168mm (4.25" x 2.36" x 6.6")
Weight		526g (1.16lbs)

## Approvals/Certifications

cUL, UL, CE mark

## Ordering Data

CP-SNT 55W / 3 Phase

## Catalog Number

991779 0324

## Accessories

Chassis Mounting Kit

792056 0000

