

# PS68

## Power Supply 48 VDC at 5 Amps

The PS68 is a high reliability, universal AC input/full range power supply with overload, overvoltage and short circuit protection. It provides 48 VDC output at 5 Amps from -40° to 158°F (-40° to 70°C). The PS68 can be mounted indoors or mounted outdoors in a weatherproof enclosure. It is DIN Rail mountable with TS35/7.5 or TS35/15. The input AC and output DC wiring are connected to a terminal strip. Unit dimensions are 4.39 inches (111.3mm) L x 3.27 inches (83mm) W x 4.92 inches (125mm) H. The unit weighs 2.0 pounds (908g).

### Specifications:

#### Input

AC input.....	90-132 / 180-264 VAC, auto select
Input frequency.....	47-63Hz
Input Current.....	4.0A (115 VAC), 1.55A (230 VAC)
Inrush current.....	30A/115V, 60A/230V
Earth leakage current.....	0.8mA max
Power Factor.....	EN61000-3-2, class A
Input Protection.....	T6.3A, 250 VAC

#### Output

Output voltage.....	47.0 – 56.0 VDC
Line regulation.....	± 0.5% max
Load regulation.....	± 1% max
Overload protection.....	120-165% constant current
Overvoltage protection.....	Output clamps at 120-145% Vnom, auto recovery
Ripple & Noise.....	100mv peak-peak, 20MHz bandwidth
Start Up Rise time.....	<150ms
Hold up time.....	25/30ms at 115/230 VAC
Short Circuit Protection.....	Power limited, auto recovery

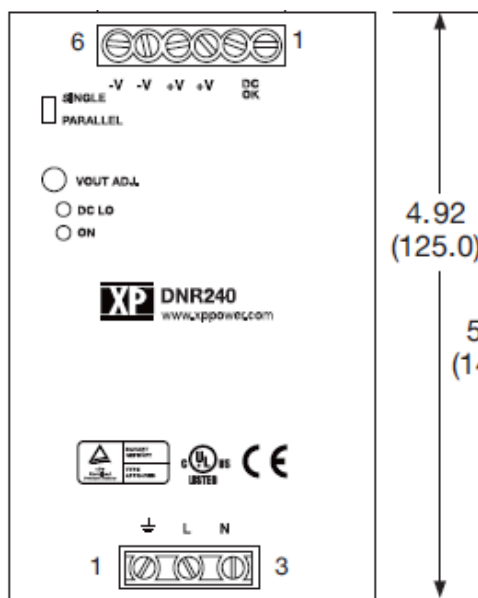
#### Environmental

Operating temperature & humidity.....	-40° to 158°F (-40° to 70°C), 95% RH (non condensing)
Storage temperature & humidity.....	-40° to 185°F (-40° to 85°C), 95% RH (non condensing)
Cooling method.....	Convection with 1 inch (25mm) free space all sides

#### EMC & Safety

Approvals.....	UL (C/US), TUV, CE, RoHS compliant
Safety standards.....	UL60950-1, EN60950-1, UL508, UL1310 ANSI/ISA 12.12.1
EMC standards.....	EN55022 class B, EN61000-3-2, 3, EN61000-4-2, 3, 4, 5, 6, 8, 11

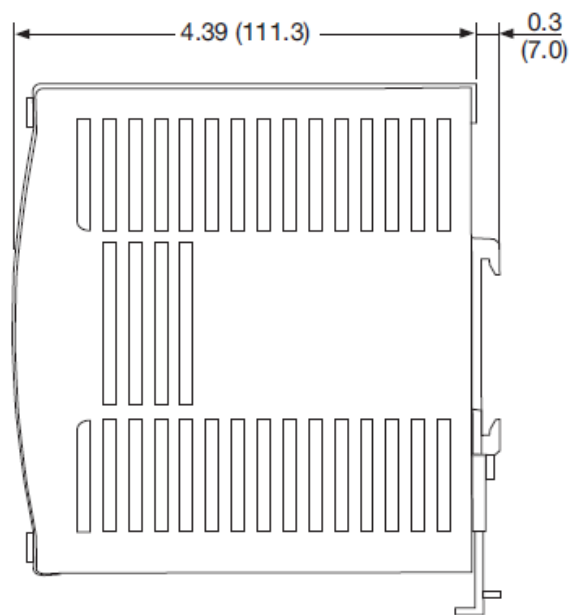
DC Output



4.92  
(125.0)

5  
(127.0)

AC Input



DNR240 Connections		
Conn	Pin	Designation
AC Input	1	Ground
	2	Line
	3	Neutral
DC Output	1	DC OK*
	2	DC OK*
	3	Positive
	4	Positive
	5	Negative
	6	Negative

\*DC OK not used