

# PBDRW240 Series

240 WATTS - 3PH AC/DC DIN RAIL MOUNTABLE - INDUSTRIAL CONTROL

AC/DC DIN RAIL MOUNTABLE

## FEATURES

- 3 Phase AC Input Voltage
- Compact Design
- Wide range input
- High Efficiency up to 91 %
- Parallel Function available (switch)
- Operational temperature between to -10 to +61°C
- Local and international Approvals; C-Tick, CE, UL, cUL, TUV



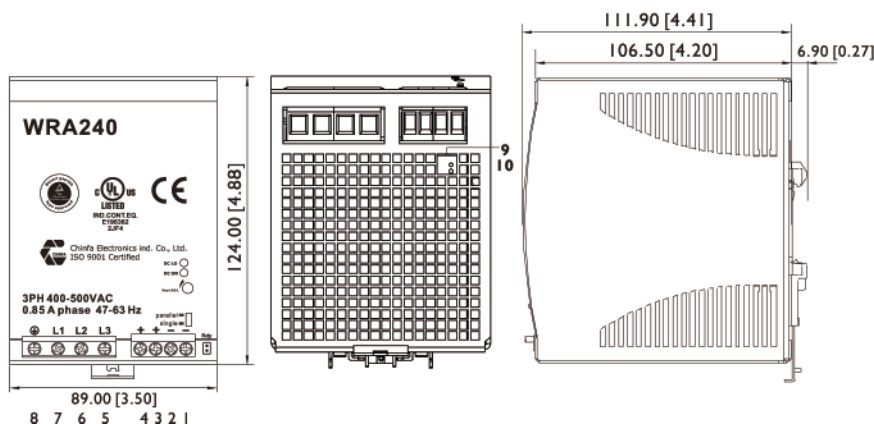
## SPECIFICATIONS

INPUT	
Input voltage	3PH 340 ~ 575 VAC
Input current	V: 400/500VAC, 0.65/0.55A
Line frequency	47-63Hz
Inrush current	20A typical
Power dissipation	Vi: 400VAC, 24V 30W, 48V 24W
Leakage current	Input-Output 0.25mA Input-FG 3.5mA
OUTPUT	
Voltage range	95 to 115% of Vi nom
Hold-up time	20ms
Ripple and noise	BW = 20MHz, 100 mV
Capacitor load	7000µf
ENVIRONMENTAL	
Storage temperature	Non Operational -25 to +85°
Relative humidity	20-95%
Isolation voltage	Input-Output at 3000 VAC Input-FG 1500VAC
Ambient temperature	-10 to +71°C

Derating	From +61°C to +71°C, 2.5% per °C
Temperature coefficient	+0.03%/°C
Cooling	Free air convection
Dimensions	123.6 x 89.0 x 110.7 mm
GENERAL	
Efficiency	90% typical, model dependant
Switching frequency	25KHz
Weight	1,100g
STANDARDS	
Safety standards	UL508 Listed, UL60950-1 Recognised ISA 12.12.01 (Class 1, Division 2, Groups A,B,C and D)
C tick	AS/NZ CISPR11 Group 1, Class A
EMI standards	EN 61000-6-3 EN 55022 Class B EN 61000-3-2 Class D, EN 61000-3-3

## MECHANICAL & PIN CONFIGURATION

mm [inch]



## SELECTION TABLE

MODEL NUMBER	OUTPUT	POWER
PBDRW240-24*	+ 24 VDC 10A	240 WATTS
PBDRW240-48*	+ 48 VDC 5A	240 WATTS

\* Non indent item

## CONSTRUCTION

Easy snap-on mounting onto the DIN-Rail (TS35/7.5 or TS35/15), unit sits safely and firmly on the rail.

## INSTALLATION

Ventilation / Cooling  
Normal convection  
All sides 25mm free space  
For cooling recommended  
Connector size range  
AWG24-10 (0.2~4mm<sup>2</sup>) flexible / solid cable,  
-Input connector can withstand torque at maximum 9 pound-inches.  
-Output connector can withstand torque at maximum 5.5 pound-inches.  
8 m/m stripping at cable end recommends  
Use copper conductors only, 60 / 75°C