

Delta DRP024V240W1BA

24V 240W - CLIQ 11 DIN RAIL POWER SUPPLY

AC/DC DIN RAIL MOUNTABLE

FEATURES

- Universal AC input voltage without power de-rating
- Power Boost of 150% for 5 seconds
- Full corrosion resistant Aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBA to protect against chemical and dust pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2



SPECIFICATIONS

INPUT	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Input Current	< 2.50A @ 115Vac, < 1.30A @ 230Vac
Efficiency 1) at 100% Load	> 90.0% @ 115Vac, > 92.0% @ 230Vac
Max Inrush Current	< 35A @ 115Vac & 230Vac
Power Factor	> 0.96 @ 115Vac, > 0.90 @ 230Vac
Leakage Current	< 1mA @ 240Vac
OUTPUT	
Output Voltage	24V
Output Voltage Range	24-28V
Output Current	10.0A
Output Power	240W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
PARD (20MHz)	< 150mVpp
Hold-up Time	> 20ms @ 115Vac & 230Vac

MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 85 x 124.1 mm
Unit Weight	1.10 kg
Cooling System	Convection
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)
Output Terminal	Pluggable Connector 4 Pins (Rated 300V/15A)
Input / Output Wire	AWG 16-14
MTBF 2)	> 500,000 hrs
ENVIRONMENTAL	
Operating Temperature	-25°C to +80°C
Storage Temperature	-25°C to +85°C
Power De-rating	> 50°C (2.5% / °C)
Operating Humidity	< 95% RH (Non-Condensing)
Operating Altitude	2,500m

NOTES:

- 1) Efficiency: O/P 100% load, Ta: 25°C at Vertical Mounting Orientation
- 2) MTBF as per Telcordia SR-332 (Confidential level: 90%, I/P: 115Vac, O/P: 100% load) at Vertical Mounting Orientation
- 3) All parameters are specified at 25°C ambient unless otherwise noted

MECHANICAL DRAWINGS

