

Delta DRP024V480W1BA

24V 480W - CLIQ 11 DIN RAIL POWER SUPPLY

FEATURES

- Universal AC input voltage without power de-rating
- High efficiency > 90.0% @ 230Vac
- Power Boost of 150% for 5 seconds (480W: 200% for 2 seconds)
- Full corrosion resistant Aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBA to protect against chemical and dust pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2



AC/DC DIN RAIL MOUNTABLE

SPECIFICATIONS

INPUT	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Input Current	< 5.00A @ 115Vac, < 3.00A @ 230Vac
Efficiency 1) at 100% Load	> 91.0% @ 115Vac, > 92.0% @ 230Vac
Max Inrush Current	< 35A @ 115Vac & 230Vac
Power Factor	> 0.96 @ 115Vac, > 0.89 @ 230Vac
Leakage Current	< 3mA @ 240Vac
OUTPUT	
Output Voltage	24V
Output Voltage Range	24-28V
Output Current	< 3mA @ 240Vac
Output Power	480W
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 144 x 118.6 mm
Unit Weight	1.37 kg
Cooling System	Convection
Input Terminal	3 Pins (Rated 300V/30A)
Output Terminal	4 Pins (Rated 300V/30A)
Input / Output Wire	I/P: AWG 18-10, O/P: AWG 12-10
MTBF 2)	> 500,000 hrs

ENVIRONMENTAL	
Operating Temperature	-25°C to +75°C
Storage Temperature	-25°C to +85°C
Power De-rating	> 50°C (2.5% / °C); > 70°C (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

