

# CliQ Din Rail Power Supply

## 24V 240W 3 Phase

### DRP024V240W3AA



DRP024V240W3AA

240Watts

Total Power: 240Watts  
Input Voltage: 320-575Vac  
# of Output: Single

**Model number** DRP024V240W3AA

**Reference no.** EOE12010007

#### OUTPUT (DC)

Output power 240W

Output voltage range 22 - 28V

Output current 10A

Residual ripple/peak switching (20MHz) (< @ nominal values) < 50mV / < 240mVpp

Mains buffering at nominal load (typ.) > 35ms @ 3 x 400Vac, > 60ms @ 3 x 500Vac

Line regulation < 0.5% typ. (@ 320 - 575Vac input, 100% load)

Load regulation < 1% typ. (with rated input, 0 - 100% load)

#### INPUT (AC)

Input voltage range 320 - 575Vac (DC input range 450 - 800Vdc)

Input frequency 47 - 63Hz

Nominal current 0.8A @ 400Vac approx.

Efficiency > 87% @ 3 x 400Vac, > 86% @ 3 x 500Vac

Power factor Conform to EN61000-3-2 STD

Inrush current limitation I<sup>2</sup>t (+25°C) typ. < 40A @ 400Vac

Leakage current < 3.5mA

#### MECHANICAL DESIGN

Case cover Aluminium (Al5052)

Dimensions (L x W x H) 121mm x 85mm x 120.5mm

Unit weight / box 0.990kg

MTBF > 300,000 hrs

Noise Sound pressure level (SPL) < 40dBA

Cooling Convection

Input terminal M4 x 4; 600V rating

Output terminal M4 x 2 (2 pcs); 600V rating

Mounting rail Standard TS35 mounting rail

Shock proof IEC60068-2-27

Vibration IEC60068-2-6

Protection structure EN60950 meet IPX0

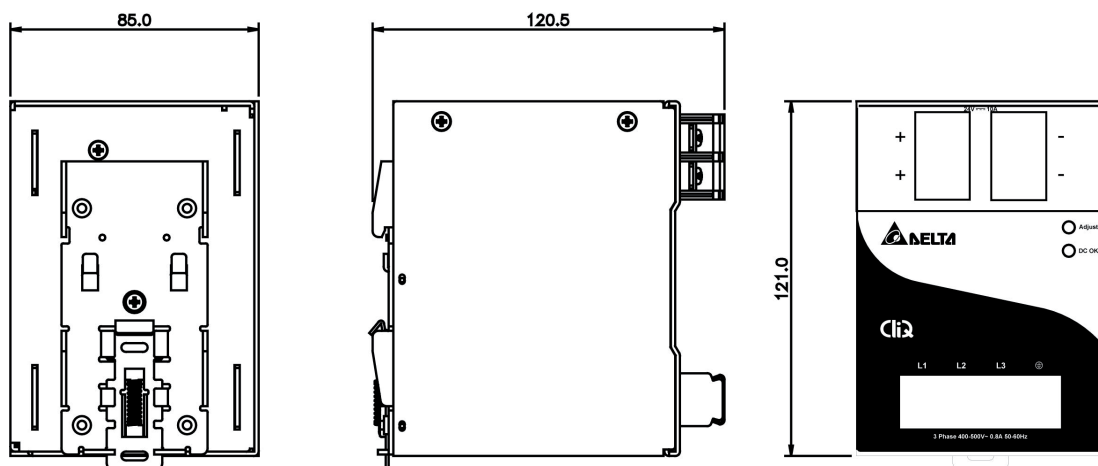
#### Special Features

- Ease of wire connection to terminals
- Compact design for easy handling
- Overload protection
- Overvoltage protection
- Thermal protection
- Power boost 150% for 3 seconds
- Expected life time : 10 years
- Shock proof IEC60068-2-27
- Vibration IEC60068-2-6
- Cooling : Convection
- Operating Humidity : < 95%
- Redundancy : Yes (with external ORing diode)
- RoHS compliant



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## MECHANICAL DRAWING



Delta Electronics (Thailand)  
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## SAFETY / ENVIRONMENTAL

### EMC / Emissions

Class B / EN55022, CISPR22, Class B;  
FCC Title 47; EN61204-3 (Class B on AC &  
Class A on DC side), EN55022:2006 Class  
B, EN61000-3-2:2006, EN61000-3-3:1995/  
A1:2001/A2:2005

### Immunity

EN55024:1998/A1:2001/A2:2003

### Safety standard

UL508, CSA C22.2 No.107.1-01, UL60950-1,  
CSA C22.2 No.60950-1, IEC60950-1,  
EN60950-1, EN50178, IEC62103 and  
IEC60204-1

### Voltage dips

Conform to EN61000-4-11

### Galvanic isolation

Input to output: 4KVac  
Input to ground: 1.5KVac  
Output to ground: 1.5KVac

### Operating ambient temperature

-20°C ~ 75°C \*

### Storage temperature

-25°C ~ 85°C

### Operating humidity

< 95%

### Note (\*)

\* Operating amb. > 50°C derate power  
by 2.5% / °C; Operating amb. > 70°C  
derate power by 4% / °C