

CliQ Din Rail Power Supply

12V 30W 1 Phase Plastic

DRP012V030W1AZ



DRP012V030W1AZ

30Watts

Total Power: 30Watts
 Input Voltage: 85-264Vac
 # of Output: Single

Model number DRP012V030W1AZ

Reference no. EOE11010158

OUTPUT (DC)

Output power 30W

Output voltage range 11-14V

Output current 2.5A (30W max.)

Residual ripple/peak switching (20MHz) (< @ nominal values) < 100mV

Mains buffering at nominal load (typ.) > 22ms @ 115Vac, > 110ms @ 230Vac

Line regulation < 0.5% typ. (@ 85 - 264Vac input, 100% load)

Load regulation < 1% Typical (with rated input, 0 to 100% load)

INPUT (AC)

Input voltage range 85 - 264Vac (DC input range 120 - 375Vdc)

Input frequency 47 - 63Hz

Nominal current 0.9A Max (0.7A @ 115Vac & 0.42A @ 230Vac)

Efficiency Min 84.5% @ 115Vac & 230Vac

Power factor Conform to EN61000-3-2 STD

Inrush current limitation I²t (+25°C) typ. < 40A @ 115Vac, < 80A @ 230Vac

Leakage current < 1mA

MECHANICAL DESIGN

Case cover Plastic (PC)

Dimensions (L x W x H) 100mm x 32mm x 100mm

Unit weight / box 0.197kg

MTBF > 300,000 hrs

Noise Sound pressure level (SPL) < 40dBA

Cooling Convection

Input / Output terminal M3.5 x 5

Mounting rail Standard TS35 mounting rail

Shock proof IEC60068-2-27

Vibration IEC60068-2-6

Protection structure EN60950 meet IPX0

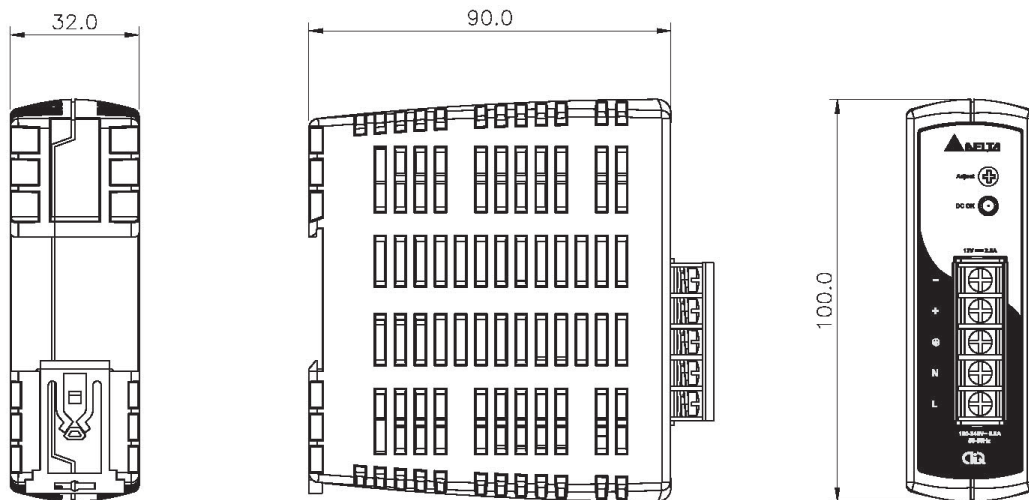
Special Features

- Ease of multiple wire connection
- Compact design for easy handling
- Overload protection
- Thermal protection
- Power boost 150% for 3secs
- Expected life time: 10 years
- Redundancy: Yes (with external ORing diode)
- RoHS compliant



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MECHANICAL DRAWING



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SAFETY / ENVIRONMENTAL

EMC / Emissions	EN61000-3-2, 3 : 1995/A1 : 2001/A2 : 2005, EN55022 : 2006 Class B, EN55011 : 1998/A2 : 2002 Class B, EN6100-6-1 (IEC61000-4-2, 3, 4, 5, 6, 8,11)
Immunity	EN61000-6-2, EN55024, EN61000-4-2, IEC61000-4-3, 4, 5, 6, 8, 11
Safety standard	UL Listed for UL508 & CSA 22.2 no.107.1-01, UL Recognized for UL60950-1 & CSA 22.2 no.60950-1, UL60950-1 and CSA 22.2 no.107.1-01, TUV Bavart Mark to EN60950-1, EN50178 : 1998, IEC60204-1 : 1998 & IEC62103 : 2003, CB cert from TUV to IEC60950-1, CE (EMC and Low Voltage directive) , CCSAUS to CSA 22.2 no.60950-1
Voltage dips	Conforms 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