

CliQ Din Rail Power Supply

12V 30W 1 Phase Plastic

DRP012V030W1AZ



DRP012V030W1AZ

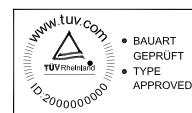
30Watts

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 I ² t (+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

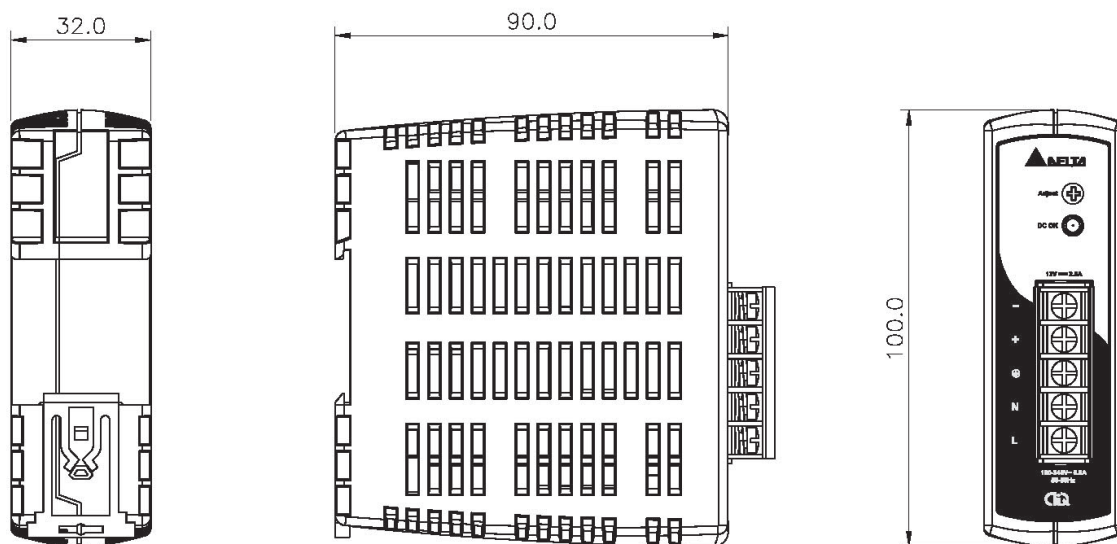


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MECHANICAL DRAWING



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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