

Panel Mount Power Supply

24V 50W 1 Phase

PMC-24V050W1AA



PMC-24V050W1AA

50Watts

Total Power: 50Watts
Input Voltage: 85-264Vac
of Output: Single

Model number	PMC-24V050W1AA
Reference no.	EOE11010119
OUTPUT (DC)	
Output power	50W
Output voltage range	22 - 28V
Output current	2.1A (50W max.)
PARD (20MHz)	< 150mVpp (@ nominal values)
Start-up time	< 2500ms @ 100% load (25°C) and typical line input
Hold-up time	> 15ms @ 115Vac, > 90ms @ 230Vac with 50W load (25°C)
Rise time	< 30ms @ 100% load (25°C)
Line regulation	< 0.5% typical (@ 85 - 264Vac input, 100% load)
Load regulation	< 1% typical (@ 85 - 264Vac input, 0 to 100% load)
INPUT (AC)	
Input voltage range	85 - 264Vac; 100 - 375Vdc
Input frequency	47 - 63Hz
Max. input current	1.5A max. (1.1A max. @ 115Vac, 0.7A max. @ 230Vac)
Inrush current limitation I ² t (+25°C) typ.	< 30A @ 115Vac, 60A @ 230Vac
Efficiency	> 86% (typical)
Leakage current	< 1mA @ 240Vac

MECHANICAL DESIGN	
Case cover	Aluminium (AL1100)
Dimensions (L x W x H)	128mm x 97mm x 38mm
Unit weight / box	0.255kg
MTBF	> 700,000 hrs
Noise	Sound pressure level (SPL) < 40dBA
Cooling	Convection
Input / output terminal	Terminal block 5 pin rated 300V/20A
Input / output wire	AWG22-14
Shock proof	IEC60068-2-27
Vibration	IEC60068-2-6

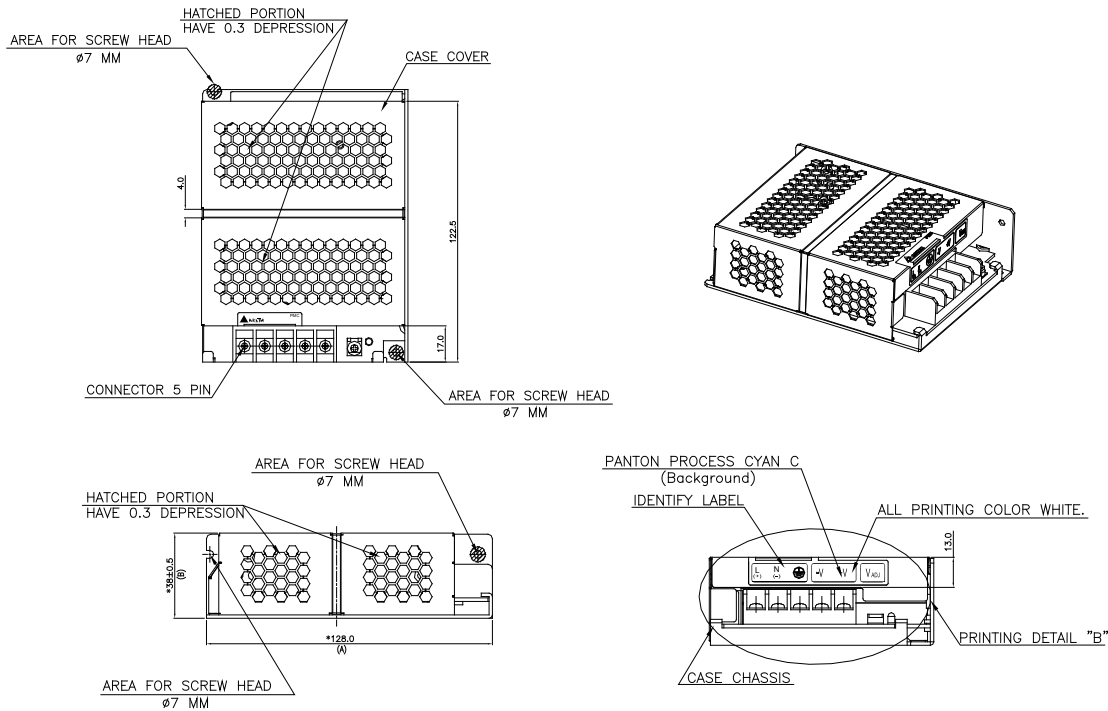
Special Features

- Full aluminium casing for lightweight and corrosion resistant handling
- Universal AC input
- Overvoltage protection
- Overload protection
- Thermal protection
- MTBF: > 700,000 hrs.
- Expected life time: 10 years
- 2 years warranty
- RoHs compliant



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MECHANICAL DRAWING



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SAFETY / ENVIRONMENTAL

EMC / Emissions

FCC Title 47, Class B/EN55022;CISPR22,
Class B

Immunity

EN 61000-4-2, 1995; EN61000-4-3, 1998;
EN61000-4-4, 1995; IEC61000-4-5, 1995;
EN61000-4-6, 1996; EN61000-4-8 or
IEC61000-4-12 or IEEE C62.41; EN61000-3-
2, 1994

Safety standard

UR/cUR recognized to UL60950-1 and CSA
C22.2 No.60950-1; CB test certificate and
report to IEC60950-1; CE (EMC and low vol-
tage directive), NEMKO

Voltage dips

Conform to EN61000-4-11

Galvanic isolation

Input to output: 3 KVac;
Input to ground: 1.5 KVac;
Output to ground: 0.5 KVac

Operating temperature

-10°C to +70°C *

Storage temperature

-25°C to +85°C

Operating humidity

< 95% RH non-condensing

Note (*)

* Operation to 70°C possible with a linear
derating to half power from 50°C to 70°C