

PANEL COMPONENTS

POWER SUPPLY UNIT PS50-24

High performance switch mode power supply unit for din rail mounting. Single phase 230V AC input converts to 24V DC output. Compact size for space saving across the rail, the unit has LED indication and output voltage trimmer. 100% full load burn-in tested. The unit has short circuit and over-voltage protection. Cooled by free air convection.



General Characteristics

Standards	CE, UL, CUL
Height	130mm
Width	30mm
Depth	125mm
Operating Temperature	-25°C to +70°C
Operating humidity	20% to 95% RH
Weight	0.57 Kg
Operating temperature	-15°C to +80°C

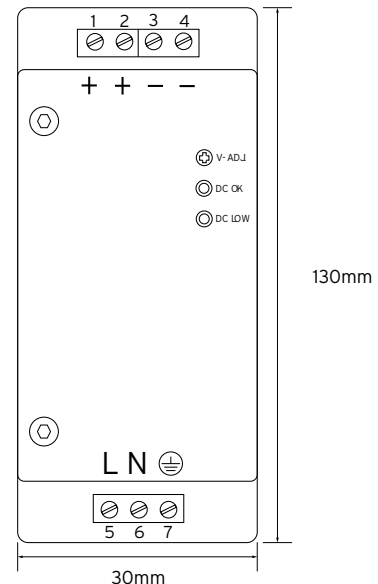
Input

Input voltage	100-240V AC
Input current	0.52A / 230VAC / 50-60 Hz
Inrush current at 25°C 230VAC	60A
Efficiency (typical)	83%

Input

Output voltage range	23.5 - 24.5 VDC
Output current	2.2A
Output wattage	50W
Ripple and noise	40mV
Hold up time	20ms / 115VAC
Line regulation	1%
Isolation input/output	3000VAC
Isolation input/ground	1500VAC
Isolation output/ground	1500VAC
Surge voltage	2KV
MTBF	200,000 hours

Technical Drawing



Marking	No.	Assignment
+	1	DC(+) Output Terminal
+	2	
-	3	DC(-) Output Terminal
-	4	
L	5	AC(L) Input Terminal
N	6	AC(N) Input Terminal
⊕	7	AC Grounding Terminal
V-ADJ.	/	DC Output voltage adjustment trimmer
DC OK	/	DC Output OK indication LED(Green)
DC LOW	/	DC Output Low indication LED(Red)

Additional Information

This product is for use by skilled persons or instructed persons. The installation of this product must comply with current IEE regulations. Terminals, including those factory fitted, must be checked for correct tightness before commissioning. All terminals should be periodically checked for correct tightness. The data herein serves only to describe the product and should not be regarded as representing guaranteed properties in the legal sense. We reserve the rights of modification, whilst every care has been taken in ensuring the accuracy of this catalogue, the Supplier accepts no liability whatsoever for any eventuality arising from errors or omissions within its catalogues, brochures or within any online presence.