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AL-PSE-DIN-12v

1 port

Distribution panel for
51v 96 Watts Class 2
and
12v 5 watts

[Product Description - AL-PSE-DIN](#)

This structured wiring panel device mounts into the standard Leviton 47605 case and provides Class 2 power - ideal for up to 15 light fixtures and up to 10 Light switches.

There is one DIN4 input and there are 3 outputs.

- 51v for wired connections
- 51v DIN4 pass thru
- 12v 500 mA for accessories.

It is designed for the AL-PS-51v96w supplies, and adapts to KF type connectors outputs. It is housed in a case ideal for structured wiring panels.

It uses quick connect 3 pin, 5 amp rated output connectors. Earth connection is provided for static discharge management.

Ideally matched with the AL-PS-51v96w, the AL-PSE-DIN is a member of the ATX family for quick installation in Media Panels.

DIN rail Format

Use a standard DIN rail strip - these DIN Rails have slots that fit the Leviton 47605 case using the Leviton Push pins.



Chassis Mount

Specifications

Power source	DIN4 connectors for the AL-PSU-51v96w pass thru to a AL-PSE-4D
AL-WS output power	KF246-3P (+ Power, - Power, Earth)
Accessory power	KF246-2P (+ Power, - Power)
Input voltage range	12 volts, 500 mA, 6 watts
Current Limit	44v to 56 volts
Internal Power consumption	This device relies on the Class 2 current limit from the power source. For example, the AL-PS-51v96w.
Failover Redundancy	0
Operating Temperature	Not available on this model – please see other PSE models
Size	0°C ~ 50°C
Mounting tabs	70 mm x 42 mm (4)
Hot Swap	42 mm x 42 mm (2)
Earth Ground	DIN Rail standard, Optional Chassis mount
DIN Rail	Yes – can unplug and connect input power live
	Connection for earth grounding (via DIN connector)
	See the T+G listing on Amazon – B07NVWD67L

Pass thru Output Voltage

The Red terminals are +51v from the AL-PS-51v96w. Black is the -51v. Gray is the Earth grounding connection. Use the AWG 18/5 wire recommended for AL-WS-DR2 installations, and fold the Yellow and White wires back for future use.

Connect Red to Red, Black to Blue and Gray to Green.

Earth Grounding

Earth grounding is recommended for static discharge of people using the wall switches. In a proper installation with the AL-PS-51v96w power supply – the 120vac power socket should have an earth ground. That earth ground flows thru the DIN4 connector to the outputs. In cases where the AL-PS-51v96w is not used – connect an awg18 wire from the gray connector to an earth ground.

Redundancy

Not available on this model. Contact us for an upgrade to AL-PSE-4D or AL-PSE-8D

AL-51v96w Power Brick

The AL-51v96w power supply was designed for use with the AL-PSE-DIN4, AL-PSE-4 or AL-PSE-4D

Ordering part numbers

Model	Number of Outputs
AL-PSE-DIN-12v	3

Min. DIN 4 Pin

(female)



Pin Assignment

PIN No.	Output
1	+Vo
2	-Vo
3	+Vo
4	-Vo

