

Meanwell Power Supply LRS-75-24

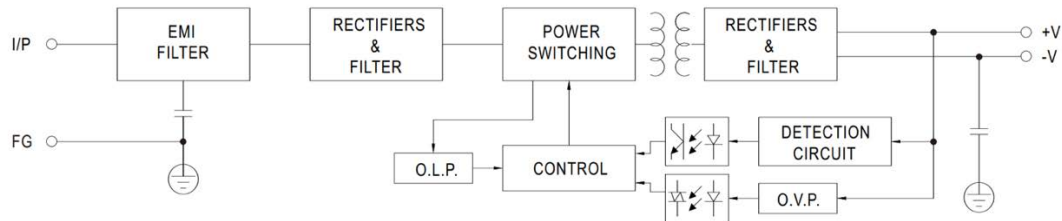


Features:

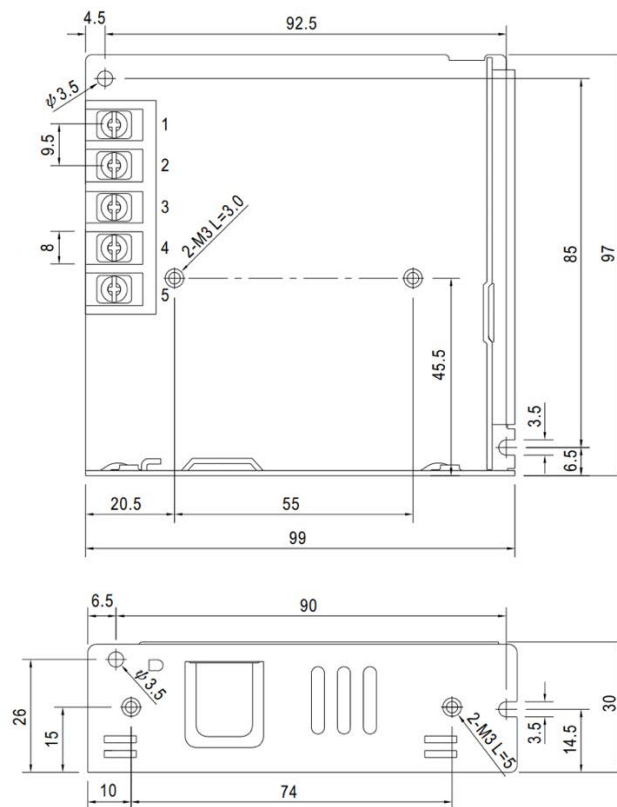
The Meanwell LRS-75-24 is a 75W single output enclosed switching power supply designed with a compact 30mm low-profile case. It supports a universal 85–264VAC input, delivers a stable 24V DC output at 3.2A, and achieves up to 90% efficiency. The unit operates from -30°C to +70°C under free air convection and includes protections against short circuit, overload, and overvoltage. With compliance to international safety standards (UL62368-1, EN60335-1, EN61558-1/-2-16, GB4943.1), it is suitable for industrial automation, control systems, instrumentation, and household appliances.

Specifications	
Model	LRS-75-24
Output voltage	24V DC
Rated current	3.2A
Current range	0 ~ 3.2A
Rated power	76.8W
Voltage adjustment	21.6 ~ 28.8V
Ripple & noise (max)	150mVp-p
Voltage tolerance	±1.0%
Line regulation	±0.5%
Load regulation	±0.5%
Efficiency (typical)	90%
Input voltage range	85 ~ 264VAC / 120 ~ 373VDC
Frequency range	47 ~ 63Hz
AC current (typical)	1.4A/115VAC, 0.85A/230VAC
Inrush current	65A (cold start, 230VAC)
Leakage current	<0.75mA/240VAC
Protection	Short circuit, overload, overvoltage
Operating temperature	-30 ~ +70°C (derating applies)
Working humidity	20 ~ 90% RH non-condensing
Storage temp./humidity	-40 ~ +85°C, 10 ~ 95% RH
Vibration resistance	10 ~ 500Hz, 5G
MTBF	3334.3K hrs (Telcordia SR-332)
Dimensions	99 × 97 × 30mm (L×W×H)
Weight	0.23 kg
Cooling	Free air convection
Safety standards	UL62368-1, EN62368-1, EN60335-1, EN61558-1/-2-16, GB4943.1
Usage	Industrial automation, control systems, instruments, household appliances

Block Diagram:



Product Dimensions (mm):



Pinouts:

Pin Number	Assignment	Description
1	AC/L	AC line input (Live)
2	AC/N	AC neutral input
3	FG	Frame ground / Earth
4	DC OUTPUT -V	Negative DC output terminal (GND)
5	DC OUTPUT +V	Positive DC output terminal (+24V)

Product Pictures:

