COMPACT SINGLE PHASE POWER SUPPLIES





ENERGY AND AUTOMATION

COMPACT SINGLE PHASE POWER SUPPLIES



Compact DIN rail mount version









PSE105024



PSE110024

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Order code	Rated output voltage	Rated output current	Output power	Q.ty per pkg	Wt
	[VDC]	[A]	[W]	n°	[kg]

Single phase power supply 100...240VAC.

PSE103024	24VDC	1.25	30	1	0.140
PSE105024		2.1	50	1	0.200
PSE107224		3	72	1	0.250
PSE110024		4.2	100	1	0.350
PSE112024		5	120	1	0.610

General characteristics

The PSE1... single phase power supplies have compact dimensions and are DIN rail mountable. They are used to supply electromechanical and electronic devices with DC control, such as contactors, time relays, sensors, PLCs, DC motors, displays, SSRs and other equipment normally found in automation systems.

Protections:

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PSE112024

- Short circuit
- Overload
- Input voltage peaks.

Indications:

- LED indicator for power on.

Operational characteristics

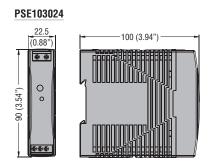
- Rated supply voltage: 100...240VAC
- Rated output voltage: 24VDC
- Mains frequency: 50/60Hz
- Output voltage adjustment by front potentiometer
- High efficiency up to 89%
- 35mm DIN rail (IEC/EN/BS 60715) mounting
- Screw connection terminals
- IEC degree of protection: IP20 on terminals.

Certifications and Compliance

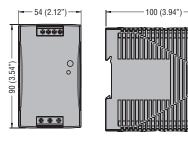
Certifications obtained: cULus (pending for PSE112024), EAC, RCM.

Compliant with standards: IEC/EN/BS 62368-1, IEC/EN/BS 61000-6-2, IEC/EN/BS 61000-6-3, UL508, CSA C22.2 No. 107.1.

Dimensions [mm (in)]

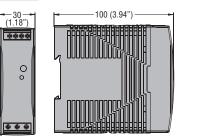


PSE110024



PSE105024

90 (3.54"

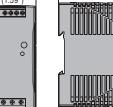


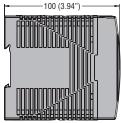
- 40.5 -(1.59") 6666

3.54"

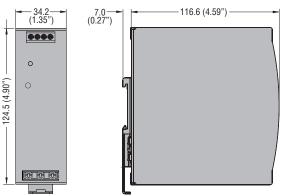
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PSE107224





PSE112024

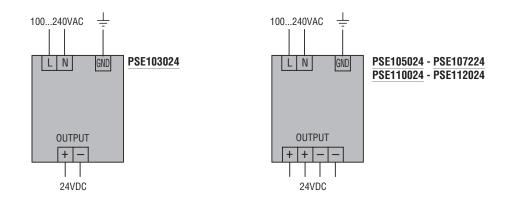


COMPACT SINGLE PHASE POWER SUPPLIES



	PSE103024	PSE105024	PSE107224	PSE110024	PSE112024		
INPUT CHARACTERITICS							
Rated supply voltage		Single phase, multivoltage 100240VAC					
Operating range		85264VAC / 120375VDC					
Current consumption (max)	0.75A	1.3A	1.7A	2.3A	2.9A		
Frequency range		50/60Hz (4763Hz)					
Insulation voltage input/output		3000VAC (4242VDC)					
Internal fuse 250VAC 0	T2A	T2A	T3,15A	T3,15A	T4A		
OUTPUT CHARACTERISTICS	·						
Rated output voltage		24VDC					
Voltage trimming (potentiometer)		22.528.5VDC					
Rated output current	1.25A	2.1A	3A	4.2A	5A		
Temperature coefficient			±0.03%/°C	·			
Line adjustment		±1%					
Load adjustment		±1%					
Efficiency	Up to 86%	Up to 87%	Up to 89%	Up to 88%	Up to 89%		
Overload protection		140%					
Short-circuit protection		Ніссир					
Ripple & noise		100mV					
INDICATIONS							
LED indicator for power on		Yes					
AMBIENT CONDITIONS							
Operating temperature		-25+71°C					
Derating of the output power	fr	from +51°C (+46°C for <u>PSE110024</u>) to +71°C by 2.5%/°C					
Storage temperature		-40+85°C					
HOUSING							
Material		Plastic Metal					
Mounting		35mm DIN rail (IEC/EN/BS 60715)					
Protection degree		IP20					
Not replaceable by the user							

Wiring diagrams







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