PSE110024

Compact DIN rail switching power supply, single-phase. 24VDC, 4.2A/100W



Product designation			Switching power supplies
Product type designation			PSE1
Input characteristics			
Input type			Single-phase
Rated supply voltage AC		VAC	Multivoltage 100...240
Operating range			
AC			
	min	VAC	85
	Max	VAC	264
DC			
	min	VDC	120
	Max	VDC	375
Rated frequency		Hz	50/60
Operational frequency			
	min	Hz	47
	max	Hz	63
Current consumption Max		mA	2300
Power dissipation		W	17
Insulation voltage Input/Output			
	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)			T3.15A 250VAC
Output characteristics			
Rated output voltage DC		VDC	24
Voltage trimming (potentiometer) DC			
	min	VDC	22.5
	Max	VDC	28.5
Rated output current		A	4.2
Rated output power		W	100
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±1
Load adjustment		%	±1
Efficency		%	88
Overload protection			1.4
Overvoltage protection			min 28.8V / max 32.4V
Short-circuit protection			Hiccup
Ripple & noise		mV	100
Parallel connection		Nr.	No
Indications			
LED indicator for power on			Yes
LED indicator for low voltage			No
Power Rdy (Ready - minimum limit)			No

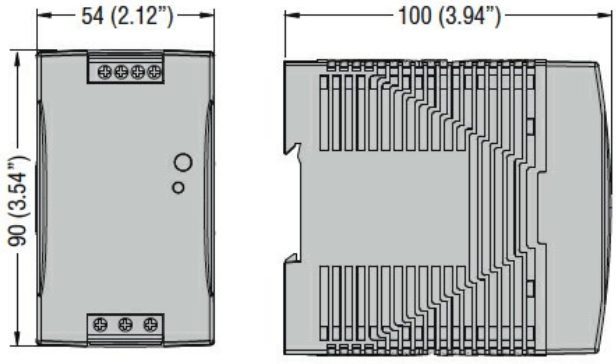
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

PSE110024

Compact DIN rail switching power supply, single-phase. 24VDC, 4.2A/100W

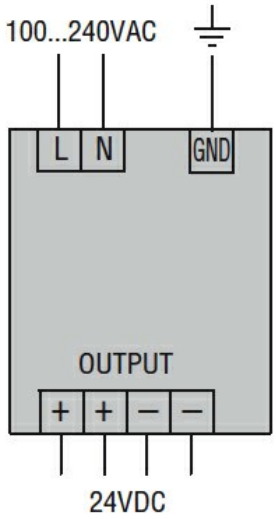
Connections				
Terminals type				Screw
Tightening torque for terminals				
		max	Nm	0.5
		max	lbin	5
Conductor cross section				
	AWG/Kcmil			
		min	AWG	26
		Max	AWG	12
	IEC			
		min	mm²	0.2
		Max	mm²	2.5
Cable stripping lenght			mm	4-5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+71
	Storage temperature			
		min	°C	-40
		max	°C	+85
Derating			%/°C	2.5%/°C above 45°C
Relative humidity			%	<95%
Maximum Pollution degree				2
Max altitude			m	5000
Housing				
Material				Plastic
IEC degree of protection				IP20
Dimensions (W x H x D)			mm	54 x 90 x 100
Weight			g	350
Installations				
Mounting				On 35mm DIN rail
Installation position				Vertical (other directions with derating)
Cooling System				Free air convection

Dimensions



Wiring diagrams

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



Certifications and compliance

Compliance

CSA C22.2 n° 107.1.
IEC/EN/BS 61000-6-2
IEC/EN/BS 61000-6-3
IEC/EN/BS 62368-1
UL 508

Certificates

cULus
EAC
RCM

ETIM classification

ETIM 8.0	EC002540 - DC-power supply

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding