



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	1300
Power dissipation				W	8.8
Insulation voltage Input/Output				AC	VAC 3000
				DC	VAC 4242
Internal fuse (250VAC)				T2A 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	2.1
Rated output power				W	50
Temperature coefficient				%/°C	±0.03
Line adjustment				%	±1
Load adjustment				%	±1
Efficiency				%	87
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	

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	mm ²	0.2
	Max	mm ²	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 50°C
Relative humidity		%	<95%
Maximum Pollution degree			2
Max altitude		m	5000

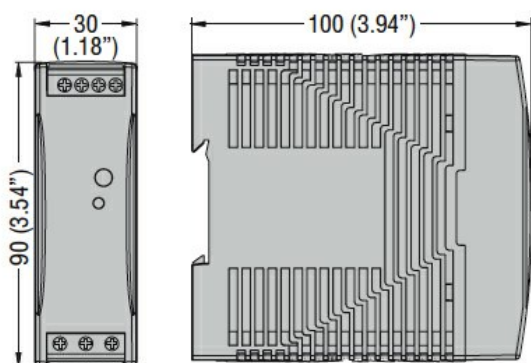
Housing

Material	Plastic		
IEC degree of protection	IP20		
Dimensions (W x H x D)	mm	30 x 90 x 100	
Weight	g	200	

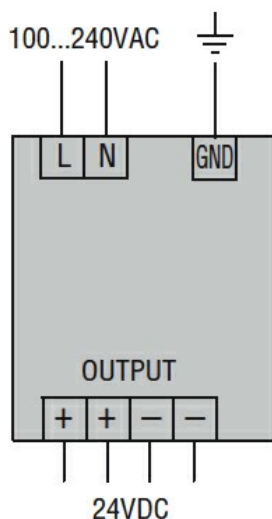
Installations

Mounting	On 35mm DIN rail		
Installation position	Vertical (other directions with derating)		
Cooling System	Free air convection		

Dimensions



Wiring diagrams



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