



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

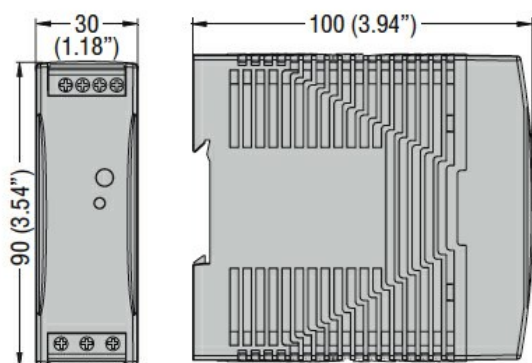
Housing

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

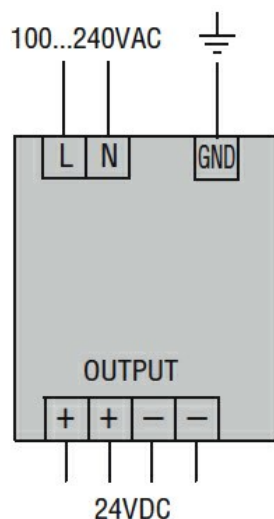
Installations

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