



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 750
Power dissipation				W 5.7
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 1.25
Rated output power				W 30
Temperature coefficient				%/°C ±0.03
Line adjustment				% ±1
Load adjustment				% ±1
Efficiency				% 86
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

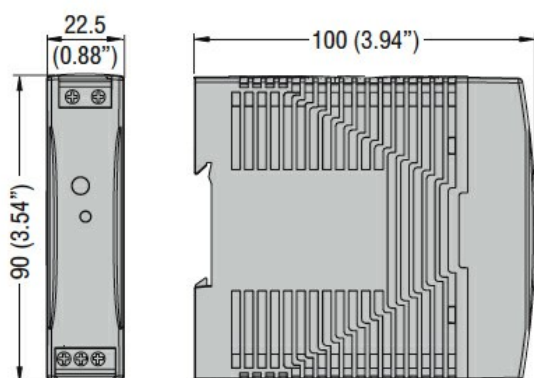
Housing

Material	Plastic		
IEC degree of protection	IP20		
Dimensions (W x H x D)	mm	22.5 x 90 x 100	
Weight	g	140	

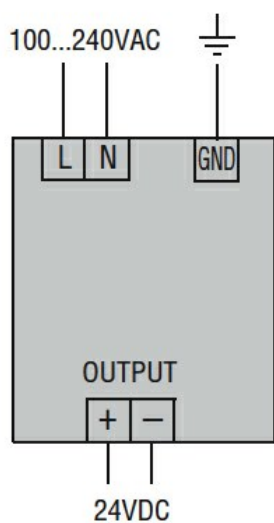
Installations

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