



Product designation

Product type designation

Switching power  
supplies  
PSE1

### Input characteristics

Input type

Single-phase

Rated supply voltage AC

VAC

Multivoltage  
100...240

Operating range

AC

min  
Max

VAC  
VAC

85  
264

DC

min  
Max

VDC  
VDC

120  
375

Rated frequency

Hz

50/60

Operational frequency

min  
max

Hz  
Hz

47  
63

Current consumption Max

mA

1300

Power dissipation

W

8.8

Insulation voltage Input/Output

AC  
DC

VAC  
VAC

3000  
4242

Internal fuse (250VAC)

T2A 250VAC

### Output characteristics

Rated output voltage DC

VDC

24

Voltage trimming (potentiometer) DC

min  
Max

VDC  
VDC

22.5  
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 <sup>2</sup>	0.2
	Max	mm <sup>2</sup>	2.5
Cable stripping length		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

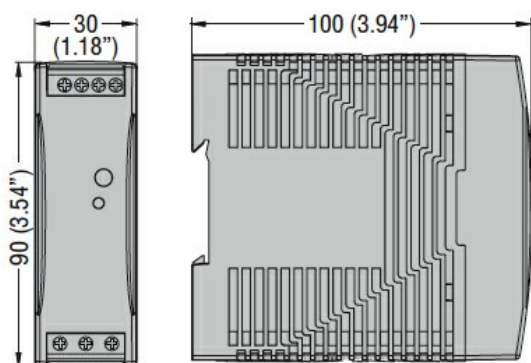
## Housing

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

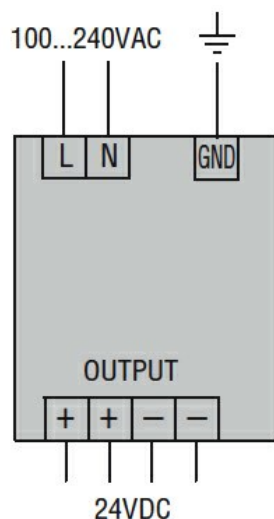
## Installations

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