



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	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	1700
Power dissipation			W	10.5
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	3
Rated output power			W	72
Temperature coefficient			%/°C	±0.03
Line adjustment			%	±1
Load adjustment			%	±1
Efficiency			%	89
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

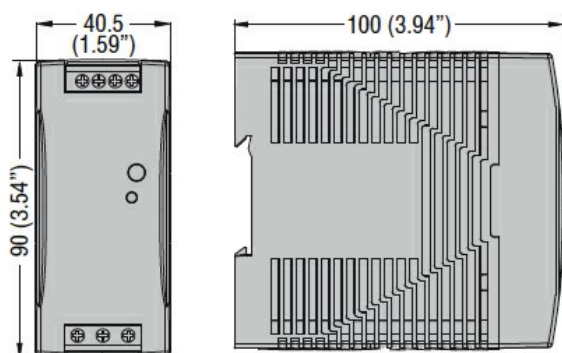
Housing

Material	Plastic		
IEC degree of protection	IP20		
Dimensions (W x H x D)	mm	40.5 x 90 x 100	
Weight	g	250	

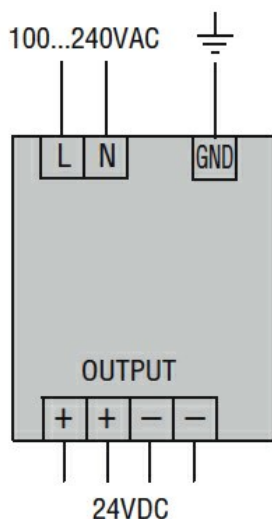
Installations

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