



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	2900
Power dissipation			W	17
Insulation voltage Input/Output				
		AC	VAC	3000
		DC	VAC	4242
Internal fuse (250VAC)				T4A 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	5
Rated output power			W	120
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	Input: 1Nm, output: 0.6Nm
	max	lbin	Input: 9lbin, output: 6lbin
Conductor cross section			
AWG/Kcmil	min	AWG	24
	Max	AWG	10
IEC	min	mm ²	0.2
	Max	mm ²	44
Cable stripping lenght		mm	8

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

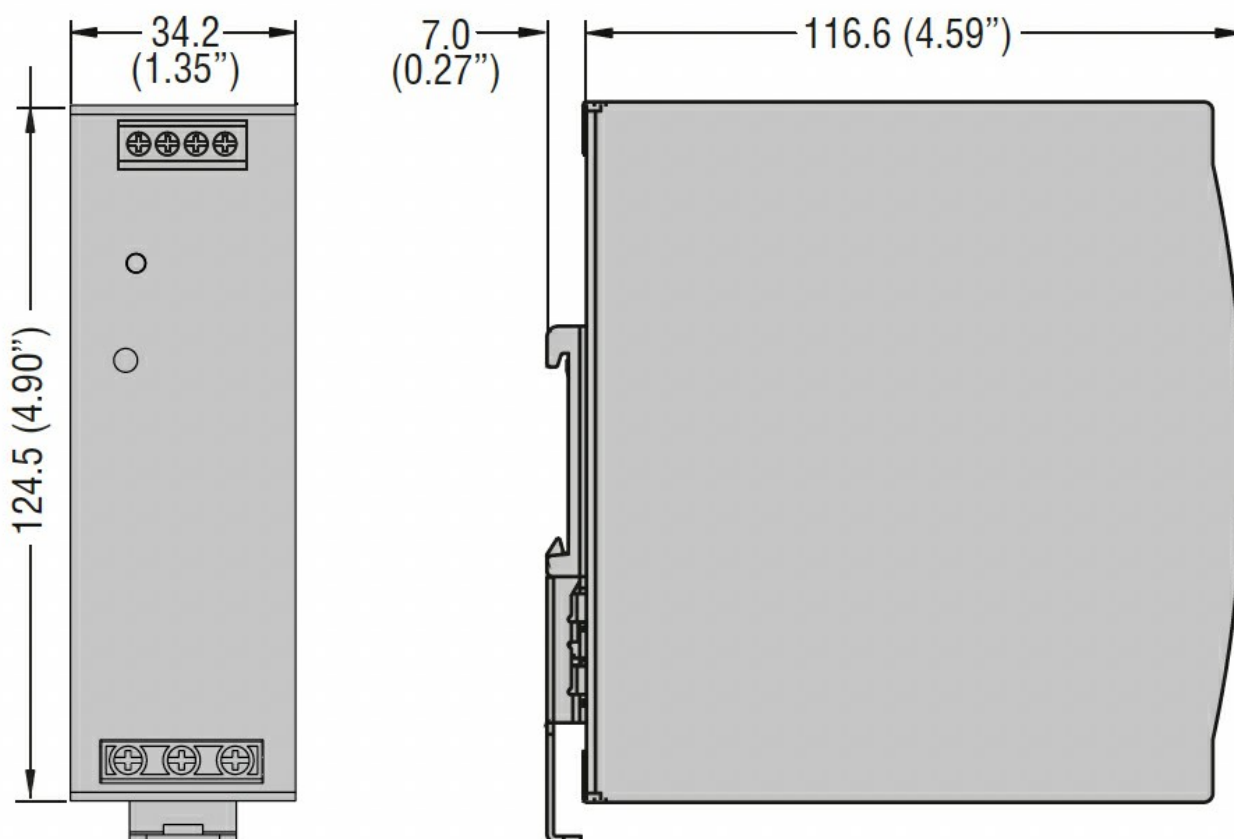
Housing

Material	Metal		
IEC degree of protection	IP20		
Dimensions (W x H x D)	mm	34.2 x 124.5 x 116.6	
Weight	g	610	

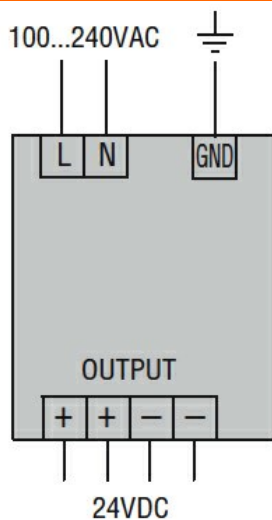
Installations

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

EAC

RCM

ETIM classification

ETIM 8.0

EC002540 - DC-
power supply