



Product designation	Switching power supplies		
Product type designation	PSL1		
<b>Input characteristics</b>			
Input type	Single-phase		
Rated supply voltage AC	VAC	Self-configurable 115...230	
Operating range	V	90...132VAC - 180...264VAC / 210...375VDC	
Rated frequency	Hz	50/60	
Operational frequency		min	Hz 47
		max	Hz 63
Current consumption Max	mA	6A (90VAC) / 3A (180VAC)	
PFC	0.7		
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)	T8A 250VAC		
<b>Output characteristics</b>			
Rated output voltage DC	VDC	24	
Voltage trimming (potentiometer) DC		min	VDC 22.5
		Max	VDC 28.5
Rated output current	A	12.5	
Rated output power	W	300	
Temperature coefficient	%/°C	±0.03	
Line adjustment	%	±0.5	
Load adjustment	%	±1	
Efficiency	%	89	
Overload protection	120...145%		
Short-circuit protection	Fold forward		
Ripple & noise	mV	100	
Parallel connection	Nr.	3	
<b>Indications</b>			
LED indicator for power on	Yes		
LED indicator for low voltage	Yes		
Power Rdy (Ready - minimum limit)	Yes		
<b>Connections</b>			
Terminals type	Screw		
<b>Ambient conditions</b>			
Temperature	Operating temperature		

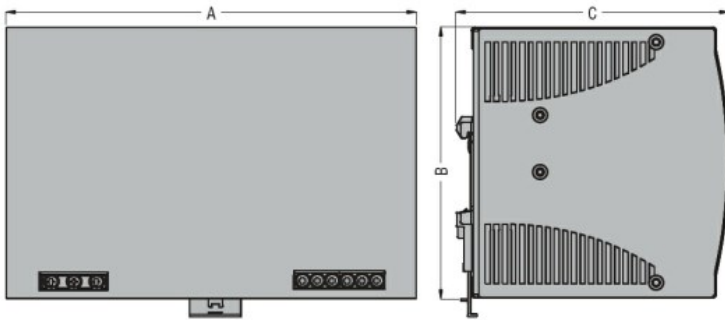
Storage temperature	min	°C	-30
	max	°C	+71

Derating	min	°C	-40
	max	°C	+85
		%/°C	2.5%/°C above 56°C

<b>Housing</b>			
Material			Metal
IEC degree of protection			IP20
Dimensions (W x H x D)		mm	83.5 x 124.5 x 123.6
Weight		g	1496

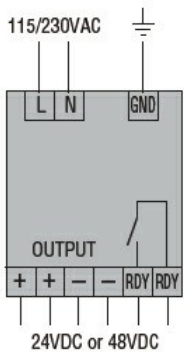
<b>Installations</b>			
Mounting			On 35mm DIN rail

**Dimensions**



TYPE	A	B	C
PSL1 120...	64 (2.52")	124.5 (4.90")	123.6 (4.87")
PSL1 240...	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 300...	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 480...	175.5 (6.91")	124.5 (4.90")	123.6 (4.87")
PSL3 120 24	74.3 (2.92")	124 (4.88")	118.8 (4.68")
PSL3 240...	89 (3.50")	124 (4.88")	118.8 (4.68")
PSL3 480...	150 (5.90")	124 (4.88")	118.8 (4.68")
PSL3 960...	275.8 (10.86")	125.9 (4.96")	120.3 (4.74")

**Wiring diagrams**



**Certifications and compliance**

Compliance	CSA C22.2 n°14
	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
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