



Product designation	Switching power supplies		
Product type designation	PSL1		
Input characteristics			
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		
Output characteristics			
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	
Indications			
LED indicator for power on	Yes		
LED indicator for low voltage	Yes		
Power Rdy (Ready - minimum limit)	Yes		
Connections			
Terminals type	Screw		
Ambient conditions			
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

Housing

Material: Metal

IEC degree of protection: IP20

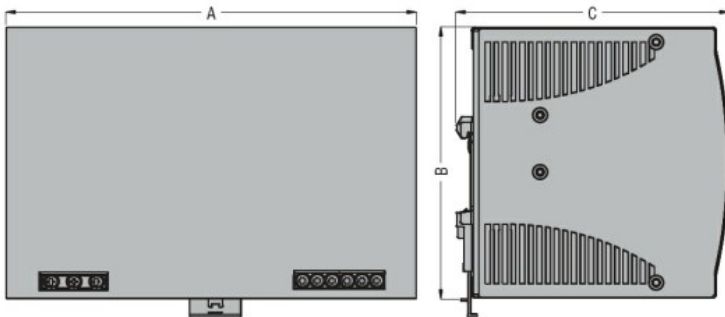
Dimensions (W x H x D): mm 83.5 x 124.5 x 123.6

Weight: g 1496

Installations

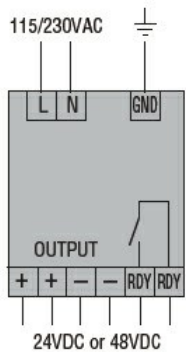
Mounting: On 35mm DIN rail

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