



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	2200
PFC			0.7
Insulation voltage Input/Output		AC	VAC 3000
		DC	VAC 4242
Internal fuse (250VAC)			T6.3A
Output characteristics			
Rated output voltage DC	VDC	48	
Voltage trimming (potentiometer) DC		min	VDC 47
		Max	VDC 56
Rated output current		A	5
Rated output power		W	240
Temperature coefficient		%/°C	0.03
Line adjustment		%	±0.5
Load adjustment		%	±1
Efficiency		%	90
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 (relay output - 17.6VDC)
Connections			
Terminals type			Screw
Ambient conditions			
Temperature	Operating temperature		

Storage temperature	min	°C	-40
	max	°C	+71
Derating	min	°C	-40
	max	°C	+85
		%/°C	2.5

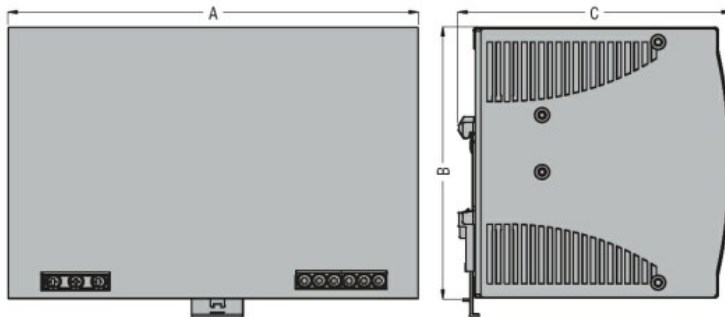
Housing

Material	Metal
IEC degree of protection	IP20
Dimensions (W x H x D)	mm 83.5 x 124.5 x 123.6
Weight	g 1486

Installations

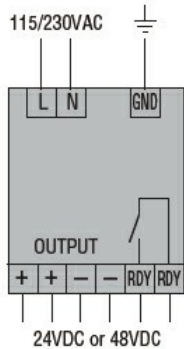
Mounting	On 35mm DIN rail
----------	------------------

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