



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	5.4A (90VAC) / 2.2A (180VAC)
PFC			0.7	
Insulation voltage Input/Output			AC	VAC 3000
			DC	VAC 4242
Internal fuse (250VAC)			T6.3A 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	10
Rated output power			W	240
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	-40
	max	°C	+71

Derating	min	°C	-40
	max	°C	+85
		%/°C	2.5%/°C above 60°C

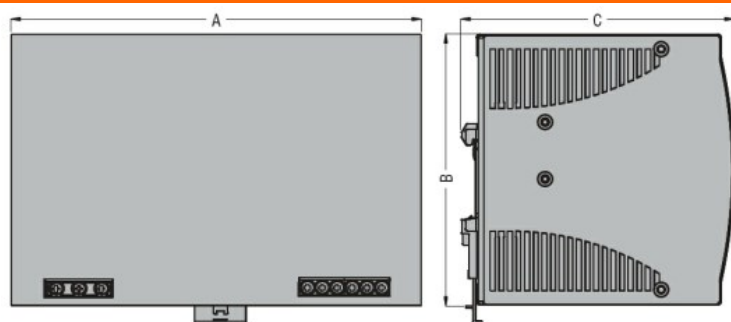
Housing

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

Installations

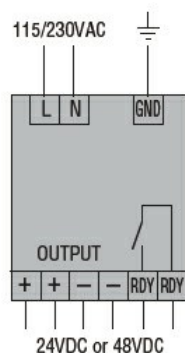
Mounting	On 35mm DIN rail
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Dimensions



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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