



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

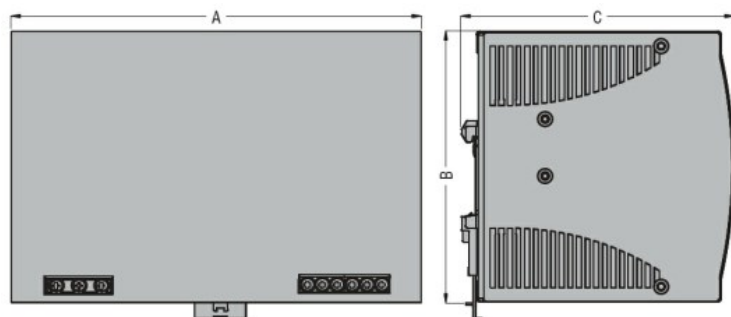
Housing

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

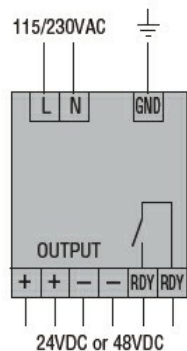
Mounting	On 35mm DIN rail		
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Dimensions



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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