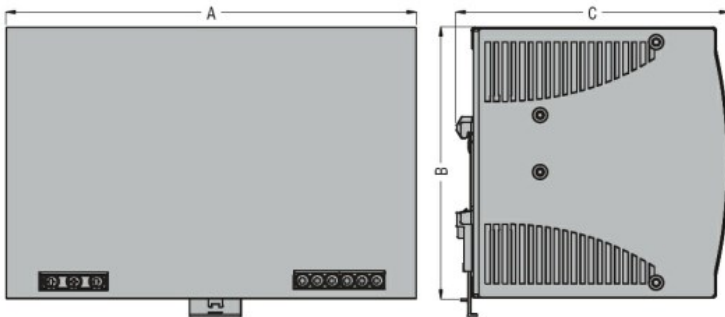




Product designation	Switching power supplies		
Product type designation	PSL1		
<b>Input characteristics</b>			
Input type	Single-phase		
Rated supply voltage AC	VAC	Self-configurable 115...230	
Operating range	V	90...132VAC - 180...264VAC / 210...375VDC	
Rated frequency	Hz	50/60	
Operational frequency	min	Hz	47
	max	Hz	63
Current consumption Max	mA		2800
PFC	0.7		
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)	T3 15A		
<b>Output characteristics</b>			
Rated output voltage DC	VDC	48	
Voltage trimming (potentiometer) DC	min	VDC	47
	Max	VDC	56
Rated output current	A		2.5
Rated output power	W		120
Temperature coefficient	%/°C		0.03
Line adjustment	%		±0.5
Load adjustment	%		±1
Efficiency	%		87
Overload protection	110...145%		
Short-circuit protection	Fold forward		
Ripple & noise	mV	50	
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 (relay output - 17.6VDC)		
<b>Connections</b>			
Terminals type	Screw		
<b>Ambient conditions</b>			
Temperature	Operating temperature		

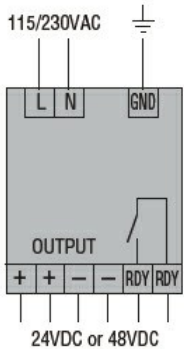
	min	°C	-35
	max	°C	+71
Storage temperature			
	min	°C	-40
	max	°C	+85
Derating		%/°C	2.5
<b>Housing</b>			
Material			Metal
IEC degree of protection			IP20
Dimensions (W x H x D)		mm	64 x 124.5 x 123.6
Weight		g	1018
<b>Installations</b>			
Mounting			On 35mm DIN rail

**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