



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			
AC	min	VAC	90
	Max	VAC	264
DC	min	VDC	120
	Max	VDC	375
Rated frequency		Hz	50/60
Operational frequency	min	Hz	47
	max	Hz	63
Current consumption Max		mA	3000
PFC			0.97
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)			T10A
<b>Output characteristics</b>			
Rated output voltage DC		VDC	48
Voltage trimming (potentiometer) DC	min	VDC	47
	Max	VDC	56
Rated output current		A	10
Rated output power		W	480
Temperature coefficient		%/°C	0.03
Line adjustment		%	±0.5
Load adjustment		%	±1
Efficiency		%	90
Overload protection			110...140%
Short-circuit protection			Fold forward
Ripple & noise		mV	100
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

**Ambient conditions**

Temperature

Operating temperature

min	°C	-40
max	°C	+71

Storage temperature

min	°C	-40
max	°C	+85

Derating %/°C 2.5

**Housing**

Material Metal

IEC degree of protection IP20

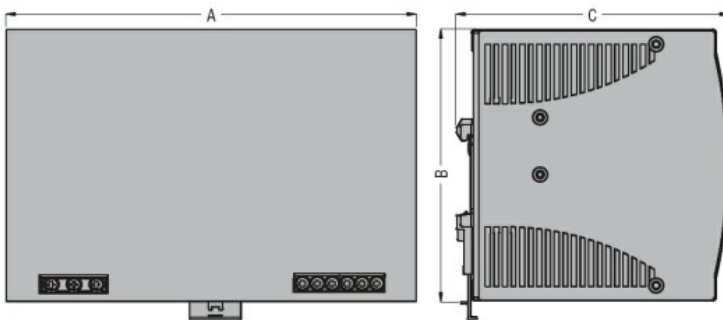
Dimensions (W x H x D) mm 175.5 x 124.5 x 123.6

Weight g 2348

**Installations**

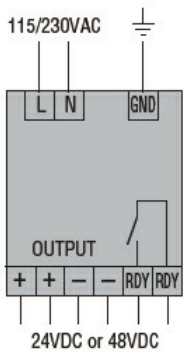
Mounting On 35mm DIN rail

**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