



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					
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
Output characteristics					
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
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

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

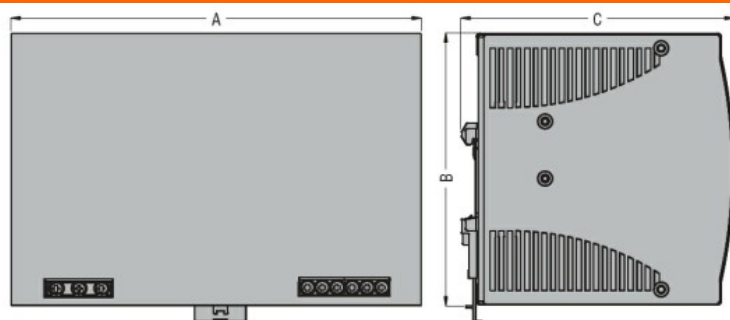
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Installations

Mounting

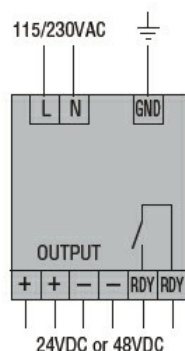
On 35mm DIN rail

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