



Product designation

Product type designation

Switching power
supplies
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
-------------	-----------------------

	min	°C	-40
	max	°C	+71
Storage temperature			
	min	°C	-40
	max	°C	+85
Derating	% / °C		2.5

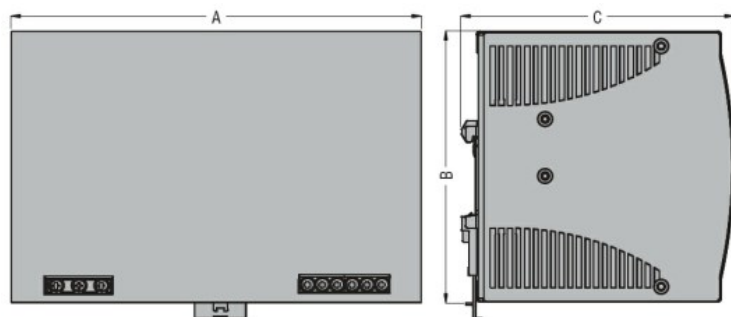
Housing

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

Installations

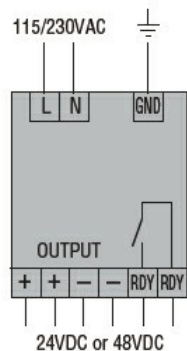
Mounting	On 35mm DIN rail
----------	------------------

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