



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 max	Hz Hz	47 63
Current consumption Max	mA	2800	
PFC		0.7	
Insulation voltage Input/Output	AC DC	VAC VAC	3000 4242
Internal fuse (250VAC)		T3 15A	

Output characteristics

Rated output voltage DC	VDC	48	
Voltage trimming (potentiometer) DC	min Max	VDC VDC	47 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	

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
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Ambient conditions

Temperature	Operating temperature
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Storage temperature	min	°C	-35
	max	°C	+71

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

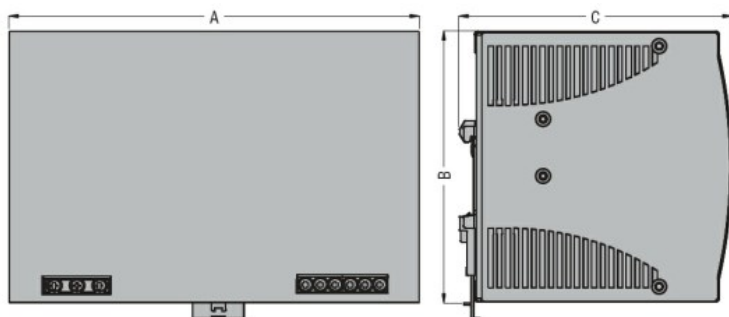
Housing

Material	Metal		
IEC degree of protection	IP20		
Dimensions (W x H x D)	mm	64 x 124.5 x 123.6	
Weight	g	1018	

Installations

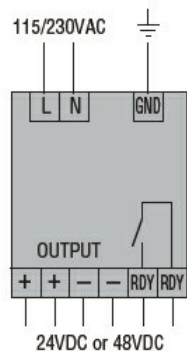
Mounting	On 35mm DIN rail
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Dimensions



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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