



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
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Ambient conditions

Temperature

Operating temperature

min	°C	-40
max	°C	+71

Storage temperature

min	°C	-40
max	°C	+85

Derating

%/°C	2.5
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Housing

Material

Metal

IEC degree of protection

IP20

Dimensions (W x H x D)

mm	175.5 x 124.5 x 123.6
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Weight

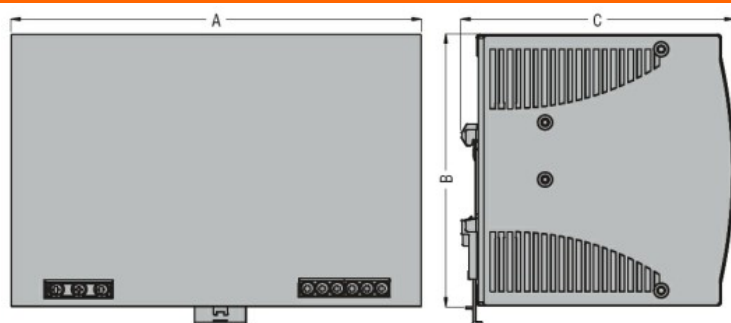
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Installations

Mounting

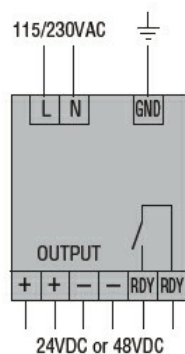
On 35mm DIN rail

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