



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	2800	
PFC	0.7		
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)	T3 15A		

Output characteristics

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

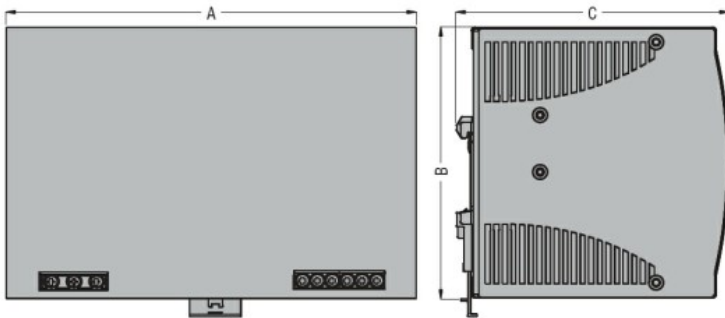
Terminals type	Screw
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Ambient conditions

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

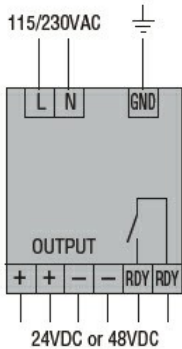
	min	°C	-40
	max	°C	+85
Derating		%/°C	2.5
Housing			
Material			Metal
IEC degree of protection			IP20
Dimensions (W x H x D)	mm		64 x 124.5 x 123.6
Weight	g		1018
Installations			
Mounting			On 35mm DIN rail

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