



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

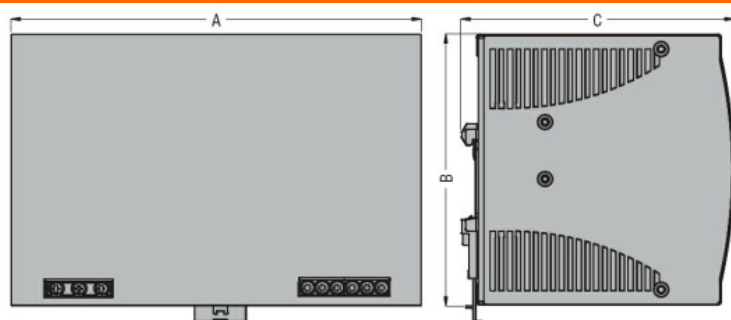
Terminals type	Screw
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Ambient conditions

Temperature			
Operating temperature		min	°C -40
		max	°C +71
Storage temperature			

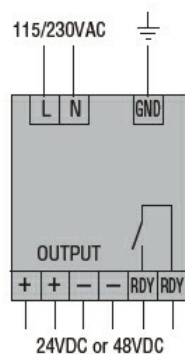
	min	°C	-40
	max	°C	+85
Derating		%/°C	2.5
Housing			
Material			Metal
IEC degree of protection			IP20
Dimensions (W x H x D)	mm		83.5 x 124.5 x 123.6
Weight	g		1486
Installations			
Mounting			On 35mm DIN rail

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