



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	7A (90VAC) / 3.5A (180VAC)	
PFC			0.97		
Insulation voltage Input/Output			AC	VAC	3000
			DC	VAC	4242
Internal fuse (250VAC)			T10A 250VAC		

Output characteristics

Rated output voltage DC		VDC	24
Voltage trimming (potentiometer) DC			
	min	VDC	22.5
	Max	VDC	28.5
Rated output current		A	20
Rated output power		W	480
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±0.5
Load adjustment		%	±1
Efficiency		%	89
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

Connections

Terminals type	Screw
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Ambient conditions

Temperature	
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Operating temperature

min	°C	-40
max	°C	+71

Storage temperature

min	°C	-40
max	°C	+85

Derating

%/°C	2.5%/°C above 56°C
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Housing

Material Metal

IEC degree of protection IP20

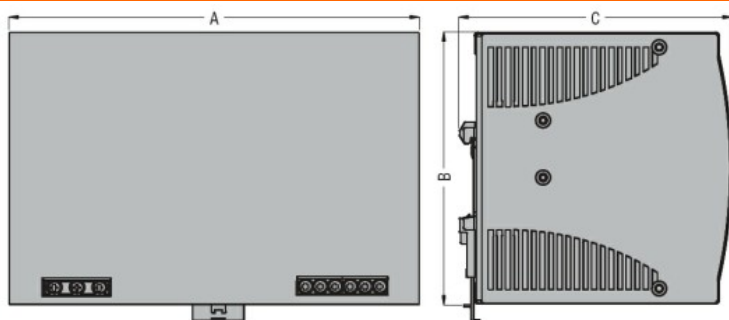
Dimensions (W x H x D) mm 175.5 x 124.5 x 125

Weight g 2348

Installations

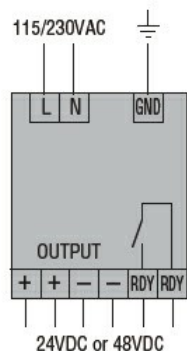
Mounting On 35mm DIN rail

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