



### 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

**Housing**

Material

Metal

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 175.5 x 124.5 x 123.6

Weight

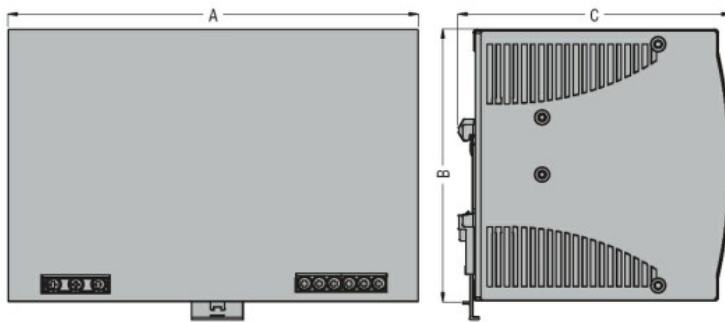
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**Installations**

Mounting

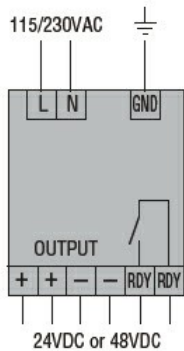
On 35mm DIN rail

**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