



Product designation				Switching power supplies
Product type designation				PSL3
Input characteristics				
Input type				Three-phase
Rated supply voltage AC			VAC	Multivoltage 400...500
Operating range				
AC		min	VAC	340
		Max	VAC	575
DC		min	VDC	480
		Max	VDC	820
Rated frequency			Hz	50/60
Operational frequency				
		min	Hz	47
		max	Hz	63
Current consumption Max			mA	1400
PFC				0.65
Insulation voltage Input/Output				
		AC	VAC	3000
		DC	VAC	4242
Internal fuse (250VAC)				T3 15A 500VAC
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			%	±1
Load adjustment			%	±1
Efficiency			%	90
Overload protection				110...135%
Short-circuit protection				Fold forward
Ripple & noise			mV	100
Parallel connection			Nr.	2
Indications				
LED indicator for power on				Yes
LED indicator for low voltage				Yes
Power Rdy (Ready - minimum limit)				Yes
Connections				
Terminals type				Screw

## Ambient conditions

### Temperature

#### Operating temperature

min	°C	-30
max	°C	+71

#### Storage temperature

min	°C	-40
max	°C	+85

### Derating

%/°C	2.5%/°C above 60°C
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## Housing

### Material

Metal

### IEC degree of protection

IP20

### Dimensions (W x H x D)

mm	150 x 124 x 118.8
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### Weight

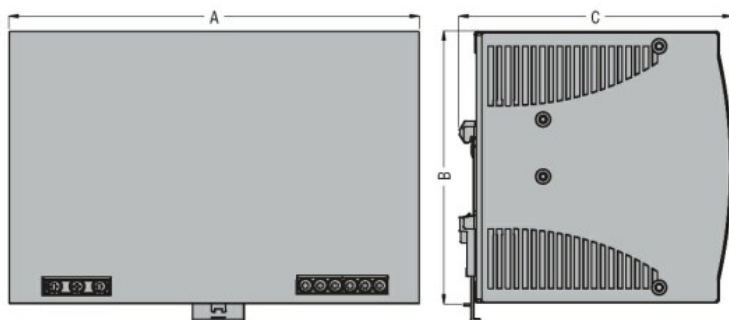
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## Installations

### Mounting

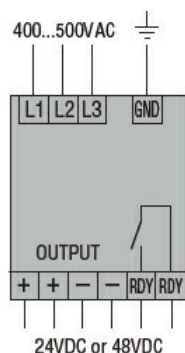
On 35mm DIN  
rail

## 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