



Product designation

Product type designation

Switching power  
supplies  
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	850	
PFC				0.55		
Insulation voltage Input/Output						
				AC	VAC	3000
				DC	VAC	4242
Internal fuse (250VAC)				T2A 600VAC		

### Output characteristics

Rated output voltage DC	VDC	24	
Voltage trimming (potentiometer) DC	min	VDC	22.5
	Max	VDC	28.5
Rated output current	A	10	
Rated output power	W	240	
Temperature coefficient	%/°C	±0.03	
Line adjustment	%	±1	
Load adjustment	%	±1	
Efficiency	%	90	
Overload protection		120...140%	
Short-circuit protection		Hiccup	
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
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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%/°C above 60°C
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## Housing

### Material

Metal

### IEC degree of protection

IP20

### Dimensions (W x H x D)

mm 89 x 124 x 118.8

### Weight

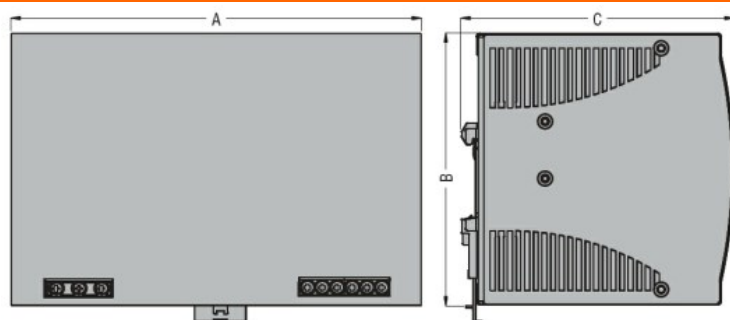
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## Installations

### Mounting

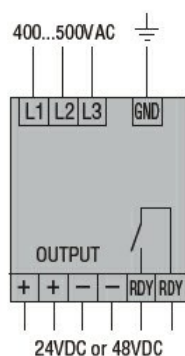
On 35mm DIN rail

## 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