



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

### 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	%	±1	
Load adjustment	%	±1	
Efficiency	%	91	
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 (transistor output - 60VDC)

### Connections

Terminals type

Screw

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 89 x 124 x 118.8

Weight

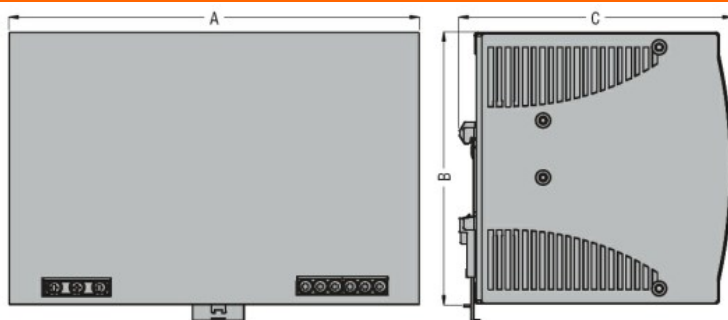
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Installations

Mounting

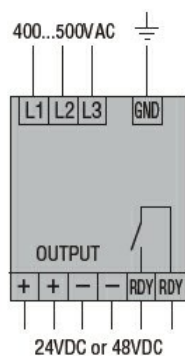
On 35mm DIN rail

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