



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	2400
PFC			0.8
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)	T5A 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	40
Rated output power		W	960
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±1
Load adjustment		%	±1
Efficiency		%	92
Overload protection			125...145%
Short-circuit protection			Hiccup
Ripple & noise		mV	80
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	-40
max	°C	+71

Storage temperature

min	°C	-40
max	°C	+85

Derating

%/°C	3.5%/°C above 60°C
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Housing

Material

Metal

IEC degree of protection

IP20

Dimensions (W x H x D)

mm	275.8 x 125.9 x 120.3
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Weight

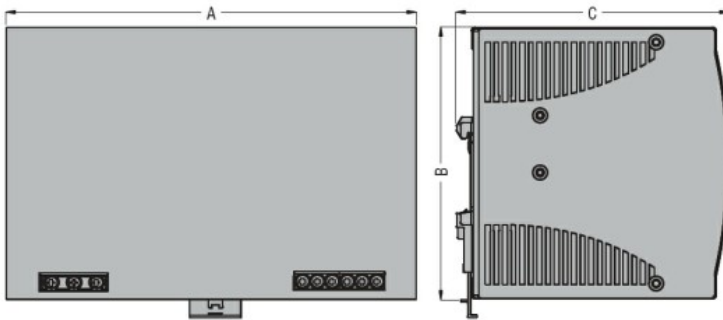
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Installations

Mounting

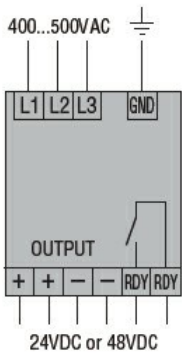
On 35mm DIN rail

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