



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

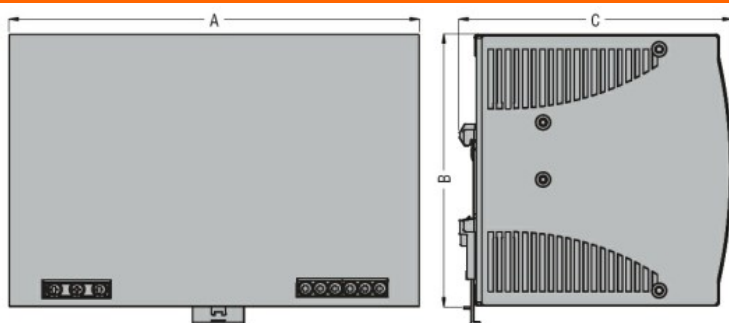
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Installations

Mounting

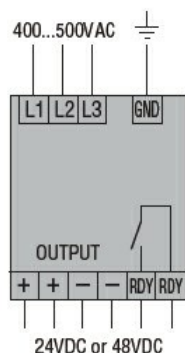
On 35mm DIN rail

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