PSL396024

DIN RAIL SWITCHING POWER SUPPLY, THREE PHASE. 24VDC, 40A / 960W



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
Efficency		%	92
Overload protection			125…145%
Short-circuit protection			Hiccup
Ripple & noise		mV	80
Parallel connection		N°	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	3.5%/°C above 60°C

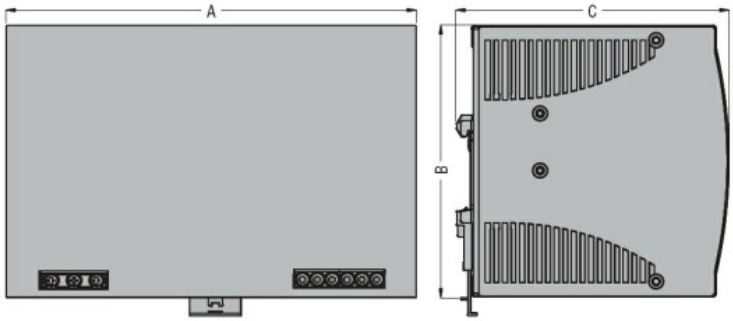
Housing

Material			Metal
IEC degree of protection			IP20
Dimensions (W x H x D)		mm	275.8 x 125.9 x 120.3
Weight		g	3672

Installations

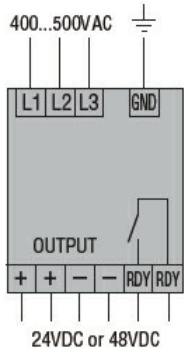
Mounting	On 35mm DIN rail

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 60950-1
	IEC/EN 61000-6-2
	IEC/EN 61000-6-3
	UL 508
Certificates	
	cULus
	EAC
	RCM

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