



Product designation			Switching power supplies
Product type designation			PSL3
Input characteristics Input type			Three-phase
Rated supply voltage AC		VAC	Multivoltage 400500
Operating range			100000
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	500
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	5
Rated output power		W	120
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±1
Load adjustment		%	±1
Efficency		%	89
Overload protection			115135%
Short-circuit protection			Hiccup
Ripple & noise		mV	100
Parallel connection		Nr.	No
Indications			
LED indicator for power on			Yes
LED indicator for low voltage			Yes
Power Rdy (Ready - minimum limit)			Yes
Connections			
Terminals type			Screw

PSL312024

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



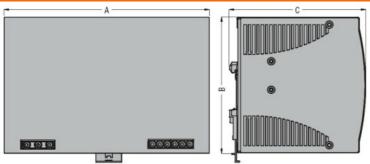
Ambient conditions

Temperature

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	Operating temperature			
		min	°C	-40
		max	°C	+71
	Storage temperature			
		min	°C	-40
		max	°C	+85
Derating			%/°C	2.5%/°C above 60°C
Housing				
Material				Metal
IEC degree of pr	rotection			IP20
Dimensions (W x	(H x D)		mm	74.3 x 124 x 118.8
Weight			g	910
Installations				
Mounting				On 35mm DIN

Mounting

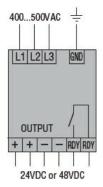
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TYPE	A	В	C
PSL1 120	64 (2.52")	124.5 (4.90")	123.6 (4.87")
PSL1 240	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 300	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 480	175.5 (6.91")	124.5 (4.90")	123.6 (4.87")
PSL3 120 24	74.3 (2.92")	124 (4.88")	118.8 (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")

rail

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 - DCpower supply