



Product designation			Switching power
Product type designation			supplies PSL1
Input characteristics			I GET
Input type			Single-phase
Rated supply voltage AC		VAC	Self-configurable 115230
Operating range		V	90132VAC - 180264VAC / 210375VDC
Rated frequency		Hz	50/60
Operational frequency			
	min	Hz	47
	max	Hz	63
Current consumption Max		mA	2.8A (90VAC) / 1.4A (180VAC)
PFC			0.7
Insulation voltage Input/Output			
	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)			T3 15A 250VAC
Output characteristics			
Rated output voltage DC		VDC	24
Voltage trimming (potentiometer) DC			
	min	VDC	22.5
	Max	VDC	28.5
Rated output current		А	5
Rated output power		W	120
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±0.5
Load adjustment		%	±1
Efficency		%	86
Overload protection			110145%
Short-circuit protection			Fold forward
Ripple & noise		mV	50
Parallel connection		Nr.	3
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

PSL112024



electric ALIMENTATION À DÉCOUPAGE MONOPHASE, FIXATION SUR DIN 115-230VAC/24VDC 120W

PSL1 480..

PSL3 120 24

PSL3 240 ...

PSL3 480

PSL3 960..

175.5 (6.91")

74.3 (2.92")

89 (3.50")

150 (5.90")

275.8 (10.86")

124.5 (4.90")

124 (4.88")

124 (4.88")

124 (4.88")

125.9 (4.96")

123.6 (4.87")

118.8 (4.68")

118.8 (4.68")

118.8 (4.68")

120.3 (4.74")

ENERGY AND AUTOMATION

		min	°C	-35		
		max	°C	+71		
Storage temperature						
		min	°C	-40		
		max	°C	+85		
Derating			%/°C	2.5% 60°C	₀/°C above C	
Housing						
Material				Meta	l	
IEC degree of protection				IP20		
Dimensions (W x H x D)			mm		64 x 124.5 x 123.6	
Weight			g	1018	3	
Installations						
Mounting				On 3 rail	5mm DIN	
Dimensions						
	TYPE	A		В	C	
	PSL1 120	64 (2.52)		4.5 (4.90")	123.6 (4.87")	
	PSL1 240	83.5 (3.29		4.5 (4.90")	123.6 (4.87"	
d o	PSL1 300	83.5 (3.29	9") 124	4.5 (4.90")	123.6 (4.87"	

OUTPUT + + RDY RDY 24VDC or 48VDC	
Certifications and com	pliance
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 algoritization	

ETIM classification

OIOID.

115/230VAC

LN

Wiring diagrams

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GND

ETIM 8.0

EC002540 - DCpower supply

PSL112024

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