



Product designation			Switching power supplies
Product type designation			PSL1
Input characteristics			TOET
Input type			Single-phase
Rated supply voltage AC		VAC	Multivoltage 100240
Operating range			
AC			
	min	VAC	90
	Max	VAC	264
DC			
	min	VDC	120
	Max	VDC	375
Rated frequency		Hz	50/60
Operational frequency			
	min	Hz	47
	max	Hz	63
Current consumption Max		mA	2400
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	4.2
Rated output power		W	100
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±1
Load adjustment		%	±1
Efficency		%	86
Overload protection			110140%
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

PSL110024



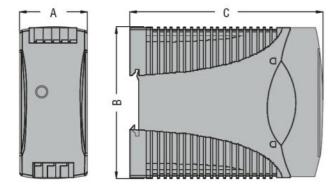
electric ALIMENTATION À DÉCOUPAGE MONOPHASE, FIXATION SUR DIN 115-230VAC/24VDC 100W

ENERGY AND AUTOMATION

Temperature

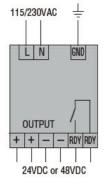
Operating temperature			
	min	°C	-35
	max	°C	+71
Storage temperature			
	min	°C	-40
	max	°C	+85
Derating		%/°C	2.5%/°C above 60°C
Housing			
Material			Plastic
IEC degree of protection			IP20
Dimensions (W x H x D)		mm	54 x 90 x 115
Weight		g	508
Installations			
Mounting			On 35mm DIN rail

Dimensions



TYPE	A	В	С
PSL1 005 24	22.5 (0.88")	90 (3.54")	115 (4.53")
PSL1 010 24	22.5 (0.88")	90 (3.54")	115 (4.53")
PSL1 018 24	22.5 (0.88")	90 (3.54")	115 (4.53")
PSL1 030	40.5 (1.59")	90 (3.54")	115 (4.53")
PSL1 060	40.5 (1.59")	90 (3.54")	115 (4.53")
PSL1 100	54 (2.12")	90 (3.54")	115 (4.53")
PSL2 100	54 (2.12")	90 (3.54")	115 (4.53")
PSLR 20 24	54 (2.12")	90 (3.54")	115 (4.53")

Wiring diagrams



Certificatio	ns and compliance	
Complianc	e e	
	CSA C22.2 n°14	
	IEC/EN/BS 61000-6-2	
	IEC/EN/BS 61000-6-3	
	IEC/EN/BS 62368-1	
	UL 508	
Certificate	S	
	cULus	
	EAC	
	RCM	
ETIM class	sification	
PSL110024	The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrative, and are consequently not contractually binding.	2/3

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ETIM 8.0

EC002540 - DCpower supply