

Product designation				Switching power supplies
Product type designation				PSL1
Input characteristics				
Input type				Single phase
Rated supply voltage AC	VAC			Multivoltage 100...240
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	A			4.2
Rated output power	W			100
Temperature coefficient	%/°C			±0.03
Line adjustment	%			±1
Load adjustment	%			±1
Efficiency	%			86
Overload protection				110...140%
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	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		
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