

Product designation				Switching power supplies
Product type designation				PSL1
Input characteristics				
Input type				Single phase
Rated supply voltage AC	VAC			Self-configurable 115...230
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			3000
PFC				0.97
Insulation voltage Input/Output	AC	VAC	3000	
	DC	VAC	4242	
Internal fuse (250VAC)				T10A
Output characteristics				
Rated output voltage DC	VDC			48
Voltage trimming (potentiometer) DC	min	VDC	47	
	Max	VDC	56	
Rated output current	A			10
Rated output power	W			480
Temperature coefficient	%/°C			0.03
Line adjustment	%			±0.5
Load adjustment	%			±1
Efficiency	%			90
Overload protection				110...140%
Short-circuit protection				Fold forward
Ripple & noise	mV			100
Parallel connection	Nr.			3
Indications				
LED indicator for power on				Yes
LED indicator for low voltage				Yes
Power Rdy (Ready - minimum limit)				Yes (relay output - 17.6VDC)
Connections				
Terminals type				Screw
Ambient conditions				
Temperature	Operating temperature	min	°C	-40
		max	°C	+71
	Storage temperature	min	°C	-40

Derating	max	°C	+85
		%/°C	2.5
Housing			
Material			Metal
IEC degree of protection			IP20
Dimensions (W x H x D)		mm	175.5 x 124.5 x 123.6
Weight		g	2348
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