

Product designation				Switching power supplies
Product type designation				PSL1
<b>Input characteristics</b>				
Input type				Single phase
Rated supply voltage AC			VAC	Multivoltage 100...240
Operating range				
	AC			
		min	VAC	85
		Max	VAC	264
	DC			
		min	VDC	90
		Max	VDC	375
Rated frequency			Hz	50/60
Operational frequency				
		min	Hz	47
		max	Hz	63
Current consumption Max			mA	800
Insulation voltage Input/Output				
		AC	VAC	3000
		DC	VAC	4242
Internal fuse (250VAC)				T2A
<b>Output characteristics</b>				
Rated output voltage DC			VDC	48
Voltage trimming (potentiometer) DC				
		min	VDC	48
		Max	VDC	55
Rated output current			A	0.625
Rated output power			W	30
Temperature coefficient			%/°C	0.03
Line adjustment			%	±0.5
Load adjustment			%	±0.5
Efficiency			%	86
Overload protection				110...150%
Short-circuit protection				Fold forward
Ripple & noise			mV	50
<b>Indications</b>				
LED indicator for power on				Yes
Power Rdy (Ready - minimum limit)				Yes (transistor output - 18.8VDC)
<b>Connections</b>				
Terminals type				Screw
<b>Ambient conditions</b>				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+71
	Storage temperature			
		min	°C	-40
		max	°C	+85
Derating			%/°C	2.5

**Housing**

Material	Plastic	
IEC degree of protection	IP20	
Dimensions (W x H x D)	mm	40.5 x 90 x 115
Weight	g	336

**Installations**

Mounting	On 35mm DIN rail
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**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
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