



Product designation				Modular switching power supplies	
Product type designation				PSL1M	
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	2200	
PFC				No	
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	24
			Max	VDC	28
Rated output current			A	4.2	
Rated output power			W	100	
Temperature coefficient			%/°C	±0.03	
Line adjustment			%	±1	
Load adjustment			%	±1	
Efficiency			%	89	
Overload protection				110...150%	
Short-circuit protection				Fold forward	
Ripple & noise			mV	50	
Parallel connection			Nr.	No	
Indications					
LED indicator for power on				Yes	
LED indicator for low voltage				Yes	
Connections					
Terminals type				Screw	
Ambient conditions					

Temperature

Operating temperature

min	°C	-40
max	°C	+71

Storage temperature

min	°C	-40
max	°C	+85

Derating

%/°C	2.5%/°C above 60°C
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Housing

Execution (n° of modules)

5

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 90 x 96 x 56.2

Weight

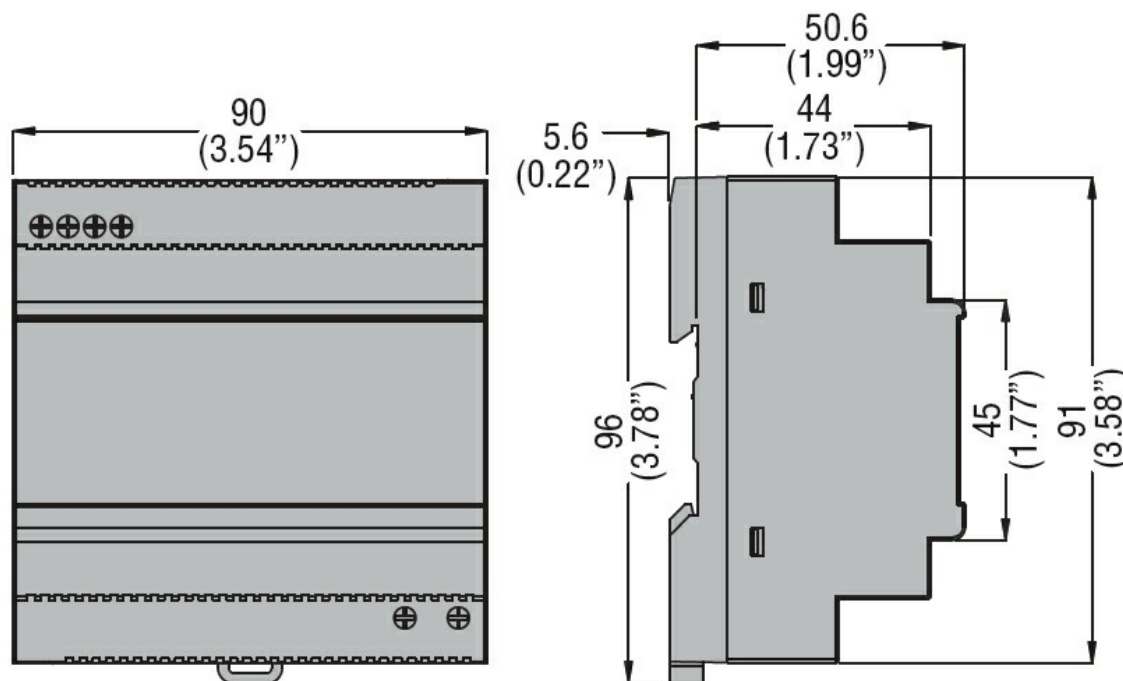
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Installations

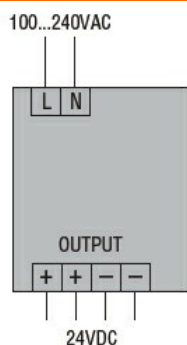
Mounting

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