



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	1500
PFC				No	
Insulation voltage Input/Output				AC	VAC 3000
				DC	VAC 4242
Internal fuse (250VAC)				T2A 250VAC	
Output characteristics					
Rated output voltage DC				VDC	12
Voltage trimming (potentiometer) DC				min	VDC 12
				Max	VDC 14
Rated output current				A	4.5
Rated output power				W	54
Temperature coefficient				%/°C	±0.03
Line adjustment				%	±1
Load adjustment				%	±1
Efficiency				%	84
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 56°C
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Housing

Execution (n° of modules)

4

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 71 x 96 x 56.2

Weight

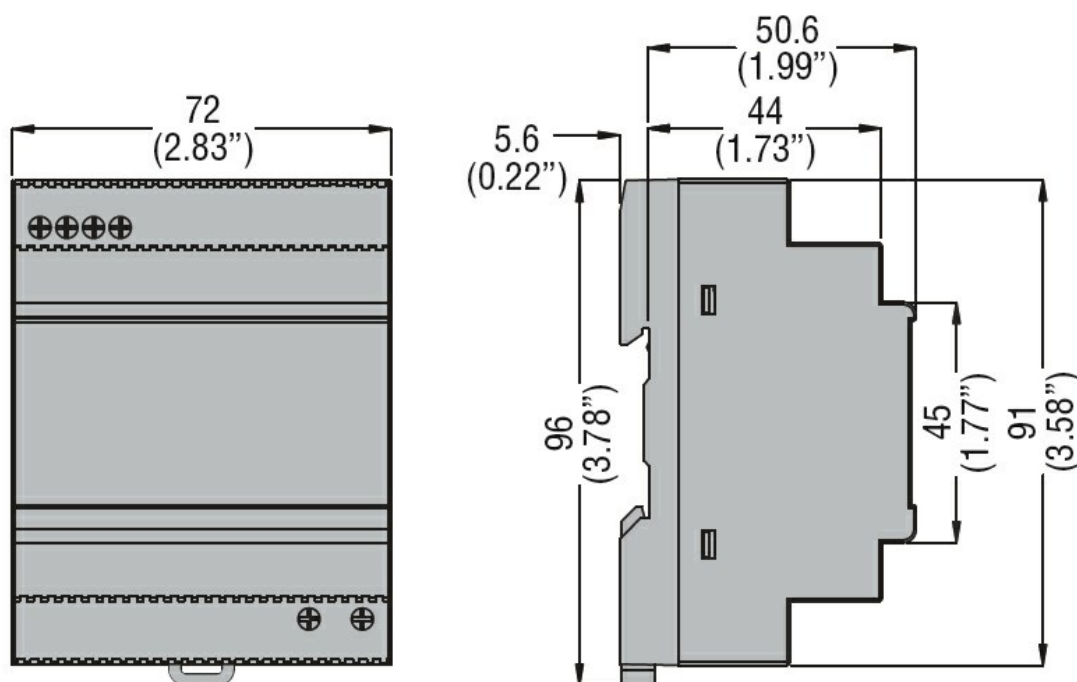
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Installations

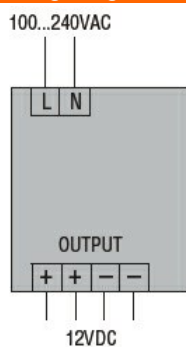
Mounting

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