



Product designation

Product type designation

Modular switching
power supplies
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		900
PFC	No		
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)	T2A 250VAC		

Output characteristics

Rated output voltage DC	VDC		24
Voltage trimming (potentiometer) DC	min	VDC	24
	Max	VDC	28
Rated output current	A		1.5
Rated output power	W		36
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
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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)

3

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 53 x 96 x 56.2

Weight

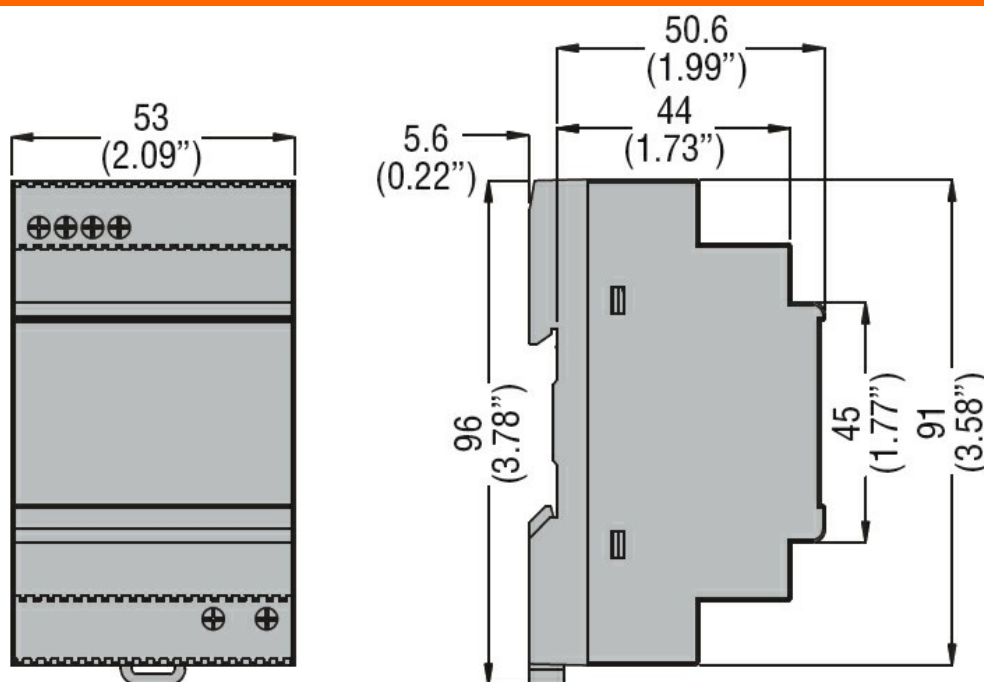
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Installations

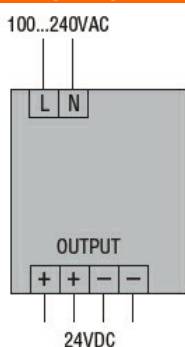
Mounting

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