



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	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	24	
Voltage trimming (potentiometer) DC	min	VDC	24
	Max	VDC	28
Rated output current		A	2.5
Rated output power		W	60
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±1
Load adjustment		%	±1
Efficiency		%	86
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
------	--------------------

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

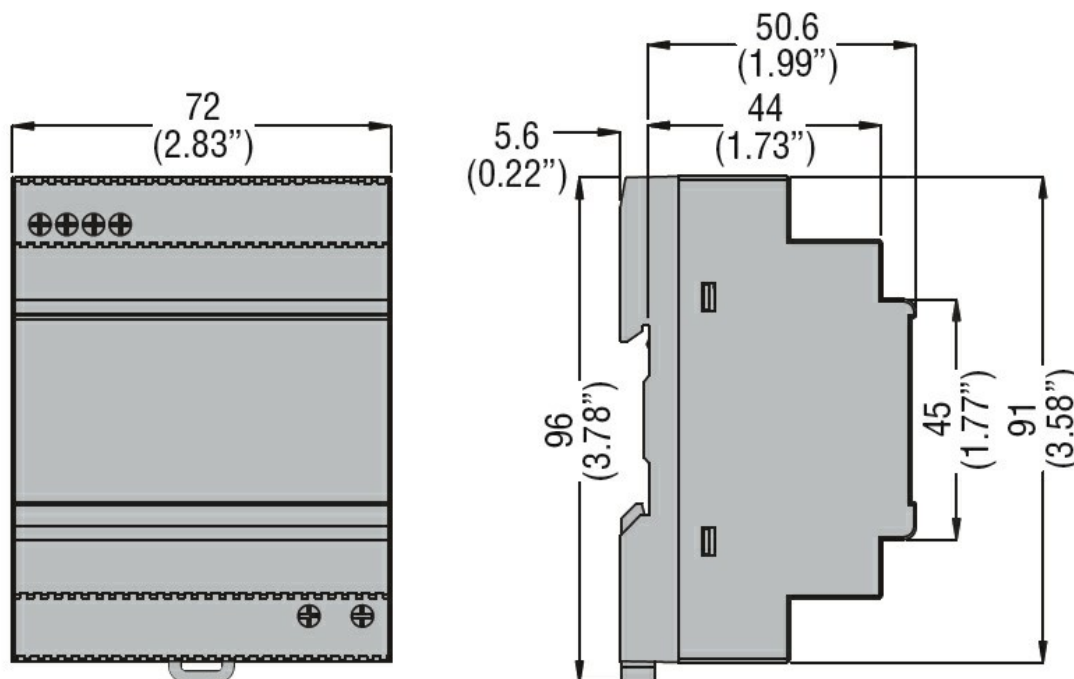
g 311

Installations

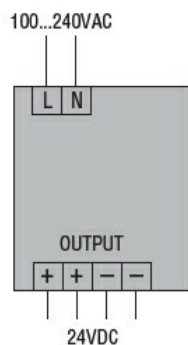
Mounting

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