



Modular switching power supplies PSL1M

Product designation

Product type designation

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 600

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 2

Rated output power

W 24

Temperature coefficient

%/°C ±0.03

Line adjustment

% ±1

Load adjustment

% ±1

Efficiency

% 84

Overload protection

120...160%

Short-circuit protection

Hiccup

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 |
|------|--------------------|

Housing

Execution (n° of modules)

2

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 35 x 96 x 56.2

Weight

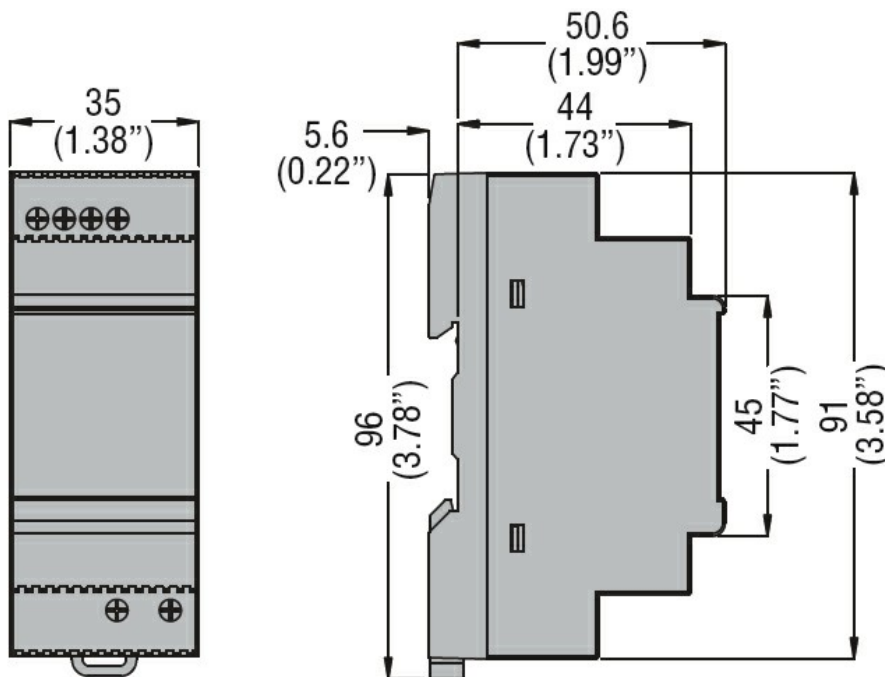
g 177

Installations

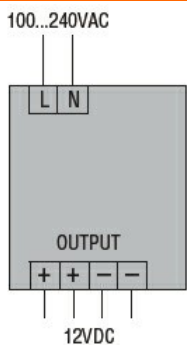
Mounting

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