



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

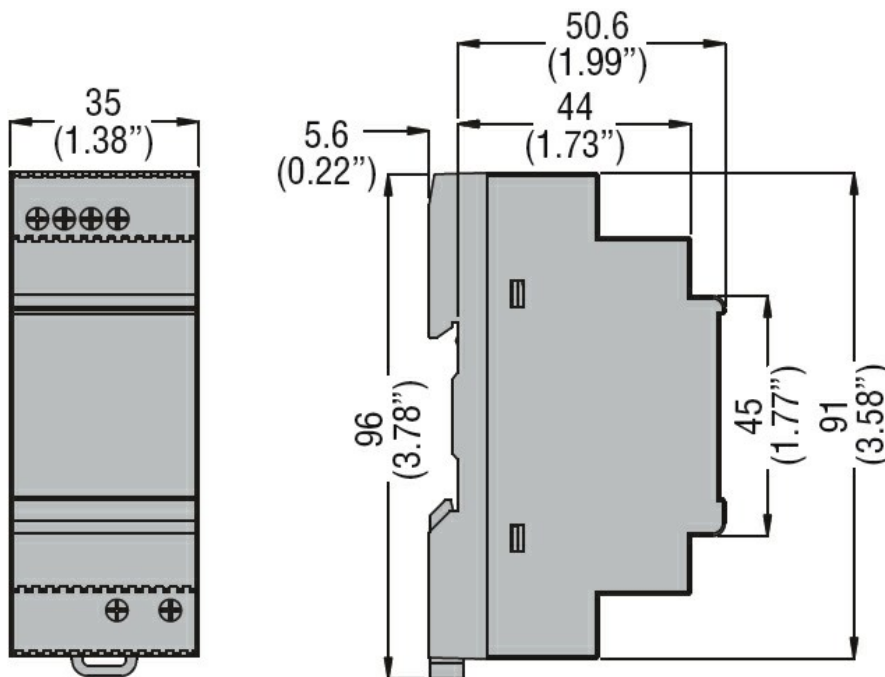
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**Installations**

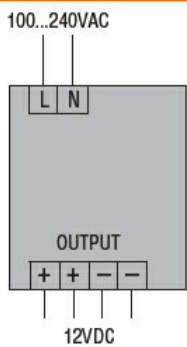
Mounting

On 35mm DIN rail

**Dimensions [mm (in)]**



**Wiring diagrams**



**Certifications and compliance**

Compliance

CSA C22.2 n°14

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IEC/EN/BS 61000-6-2

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IEC/EN/BS 61000-6-3

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IEC/EN/BS 62368-1

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UL 508

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Certificates

cULus

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EAC

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RCM

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ETIM classification

ETIM 8.0

EC002540 - DC-  
power supply