



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

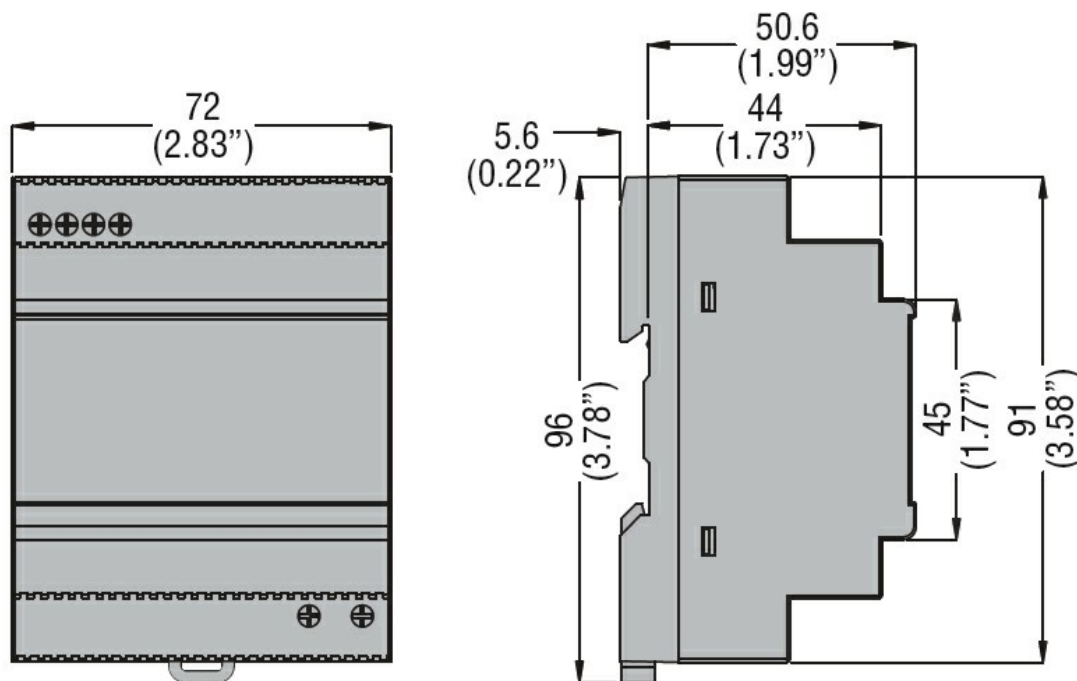
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Installations

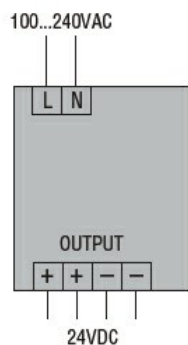
Mounting

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