



|                                     |  |     |      |                                  |
|-------------------------------------|--|-----|------|----------------------------------|
| 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   | 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                            |
| 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)

3

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 53 x 96 x 56.2

Weight

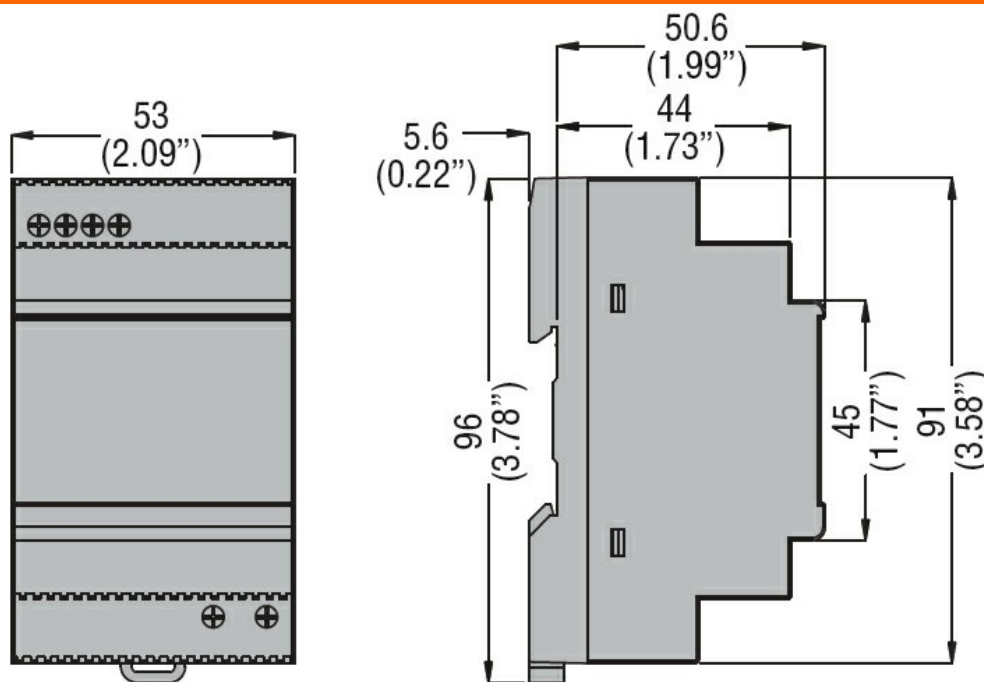
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## Installations

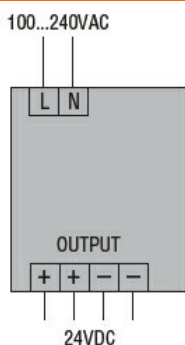
Mounting

On 35mm DIN rail

## Dimensions



## Wiring diagrams



## Certifications and compliance

Compliance

CSA C22.2 n°14

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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

Certificates

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cULus

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EAC

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RCM

ETIM classification

ETIM 8.0

EC002540 - DC-  
power supply