



|                                 |  |     |            |                                  |      |
|---------------------------------|--|-----|------------|----------------------------------|------|
| 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         | 300                              |      |
| PFC                             |  |     | No         |                                  |      |
| Insulation voltage Input/Output |  |     | AC         | VAC                              | 3000 |
|                                 |  |     | DC         | VAC                              | 4242 |
| Internal fuse (250VAC)          |  |     | T1A 250VAC |                                  |      |
| Output characteristics          |  |     |            |                                  |      |
| Rated output voltage DC         |  |     | VDC        | 24                               |      |
| Rated output current            |  |     | A          | 0.42                             |      |
| Rated output power              |  |     | W          | 10                               |      |
| Temperature coefficient         |  |     | %/°C       | ±0.03                            |      |
| Line adjustment                 |  |     | %          | ±1                               |      |
| Load adjustment                 |  |     | %          | ±1                               |      |
| Efficiency                      |  |     | %          | 80                               |      |
| Overload protection             |  |     | 125...185% |                                  |      |
| 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 |

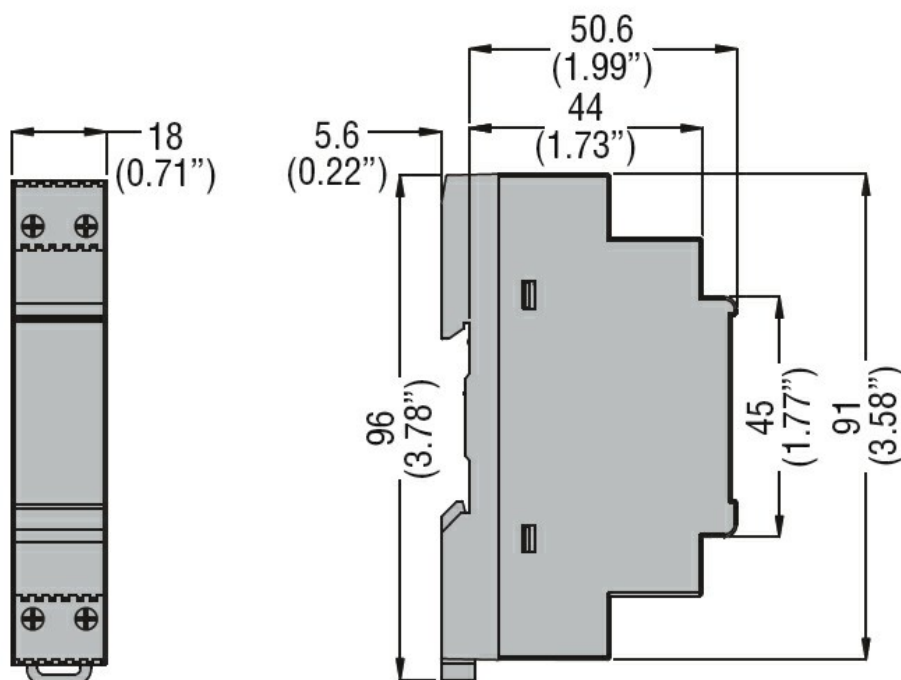
#### Housing

|                           |    |                |
|---------------------------|----|----------------|
| Execution (n° of modules) |    | 1              |
| Material                  |    | Plastic        |
| IEC degree of protection  |    | IP20           |
| Dimensions (W x H x D)    | mm | 18 x 96 x 56.2 |
| Weight                    | g  | 114            |

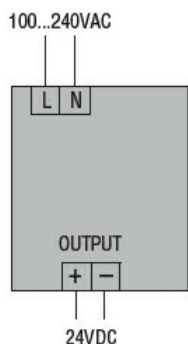
#### Installations

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

Certificates

UL 508

cULus

EAC

RCM

ETIM classification

ETIM 8.0

EC002540 - DC-  
power supply