



| | | | |
|-------------------------------------|--------------------------|---------------------------|-------|
| Product designation | Switching power supplies | | |
| Product type designation | PSL1 | | |
| 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 | 500 |
| 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 | 21.6 |
| | Max | VDC | 28.8 |
| Rated output current | | A | 0.75 |
| Rated output power | | W | 18 |
| Temperature coefficient | | %/°C | ±0.03 |
| Line adjustment | | % | ±1 |
| Load adjustment | | % | ±2 |
| Efficiency | | % | 77 |
| Overload protection | 110...140% | | |
| 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 | | |
| Power Rdy (Ready - minimum limit) | No | | |
| Connections | | | |
| Terminals type | Screw | | |
| Ambient conditions | | | |

Temperature

Operating temperature

| | | |
|-----|----|-----|
| min | °C | -20 |
| max | °C | +71 |

Storage temperature

| | | |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +85 |

Derating

| | |
|------|--------------------|
| %/°C | 2.5%/°C above 60°C |
|------|--------------------|

Housing

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 22.5 x 90 x 115

Weight

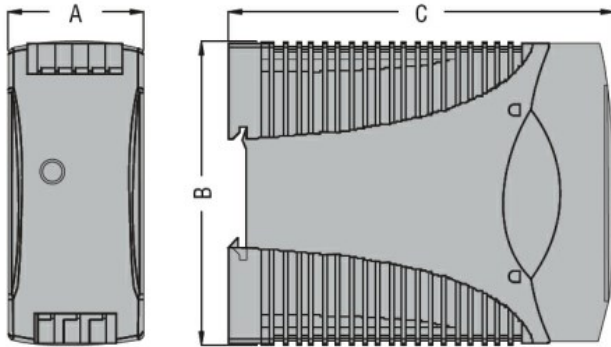
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Installations

Mounting

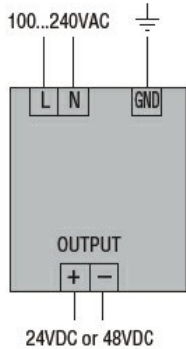
On 35mm DIN rail

Dimensions



| TYPE | A | B | C |
|-------------|--------------|------------|-------------|
| PSL1 005 24 | 22.5 (0.88") | 90 (3.54") | 115 (4.53") |
| PSL1 010 24 | 22.5 (0.88") | 90 (3.54") | 115 (4.53") |
| PSL1 018 24 | 22.5 (0.88") | 90 (3.54") | 115 (4.53") |
| PSL1 030... | 40.5 (1.59") | 90 (3.54") | 115 (4.53") |
| PSL1 060... | 40.5 (1.59") | 90 (3.54") | 115 (4.53") |
| PSL1 100... | 54 (2.12") | 90 (3.54") | 115 (4.53") |
| PSL2 100... | 54 (2.12") | 90 (3.54") | 115 (4.53") |
| PSLR 20 24 | 54 (2.12") | 90 (3.54") | 115 (4.53") |

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