



| Product designation | | | Switching power |
|-------------------------------------|-----|------|------------------------|
| • | | | supplies |
| Product type designation | | | PSL1 |
| Input characteristics | | | 0: 1 1 |
| Input type | | | Single-phase |
| Rated supply voltage AC | | VAC | Multivoltage 100240 |
| Operating range | | | |
| AC | | | |
| | min | VAC | 85 |
| | Max | VAC | 264 |
| DC | | | |
| | min | VDC | 90 |
| | Max | VDC | 375 |
| Rated frequency | | Hz | 50/60 |
| Operational frequency | | | |
| | min | Hz | 47 |
| | max | Hz | 63 |
| Current consumption Max | | mΑ | 800 |
| Insulation voltage Input/Output | | | |
| | AC | VAC | 3000 |
| | DC | VAC | 4242 |
| Internal fuse (250VAC) | | | T2A |
| Output characteristics | | | |
| Rated output voltage DC | | VDC | 48 |
| Voltage trimming (potentiometer) DC | | | |
| | min | VDC | 48 |
| | Max | VDC | 55 |
| Rated output current | | Α | 0.625 |
| Rated output power | | W | 30 |
| Temperature coefficient | | %/°C | 0.03 |
| Line adjustment | | % | ±0.5 |
| Load adjustment | | % | ±0.5 |
| Efficency | | % | 86 |
| Overload protection | | | 110150% |
| Short-circuit protection | | | Fold forward |
| Ripple & noise | | mV | 50 |
| Indications | | | |
| LED indicator for power on | | | Yes |
| | | | Yes (transistor |
| Power Rdy (Ready - minimum limit) | | | output - |
| | | | 18.8VDC) |
| Connections | | | |
| Terminals type | | | Screw |
| Ambient conditions | | | |



Temperature

Operating temperature

| | min | °C | -40 | |
|---------------------|-----|------|-----|--|
| | max | °C | +71 | |
| Storage temperature | | | | |
| | min | °C | -40 | |
| | max | °C | +85 | |
| | | %/°C | 2.5 | |

Derating %/°C 2.5

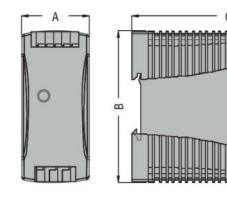
Housing

| nousing | | |
|--------------------------|----|-----------------|
| Material | | Plastic |
| IEC degree of protection | | IP20 |
| Dimensions (W x H x D) | mm | 40.5 x 90 x 115 |
| Weight | g | 336 |

Installations

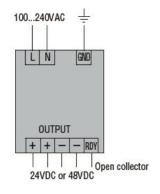
Mounting On 35mm DIN rail

Dimensions



| TYPE | Α | В | С |
|-------------|--------------|------------|-------------|
| 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





DIN RAIL SWITCHING POWER SUPPLY, SINGLE-PHASE. 48VDC, 0.625A/30W

ETIM 8.0

EC002540 - DCpower supply