



| | | | |
|-------------------------------------|--------------------------|---------------------------|------------|
| Product designation | Switching power supplies | | |
| Product type designation | PSL3 | | |
| Input characteristics | | | |
| Input type | Three-phase | | |
| Rated supply voltage AC | VAC | Multivoltage 400...500 | |
| Operating range | | | |
| AC | min | VAC | 340 |
| | Max | VAC | 575 |
| DC | min | VDC | 480 |
| | Max | VDC | 820 |
| Rated frequency | | Hz | 50/60 |
| Operational frequency | min | Hz | 47 |
| | max | Hz | 63 |
| Current consumption Max | | mA | 850 |
| PFC | | | 0.55 |
| Insulation voltage Input/Output | AC | VAC | 3000 |
| | DC | VAC | 4242 |
| Internal fuse (250VAC) | T2A 600VAC | | |
| Output characteristics | | | |
| Rated output voltage DC | | VDC | 24 |
| Voltage trimming (potentiometer) DC | min | VDC | 22.5 |
| | Max | VDC | 28.5 |
| Rated output current | | A | 10 |
| Rated output power | | W | 240 |
| Temperature coefficient | | %/°C | ±0.03 |
| Line adjustment | | % | ±1 |
| Load adjustment | | % | ±1 |
| Efficiency | | % | 90 |
| Overload protection | | | 120...140% |
| Short-circuit protection | | | Hiccup |
| Ripple & noise | | mV | 100 |
| Parallel connection | | Nr. | 2 |
| Indications | | | |
| LED indicator for power on | | | Yes |
| LED indicator for low voltage | | | Yes |
| Power Rdy (Ready - minimum limit) | | | 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

Material

Metal

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 89 x 124 x 118.8

Weight

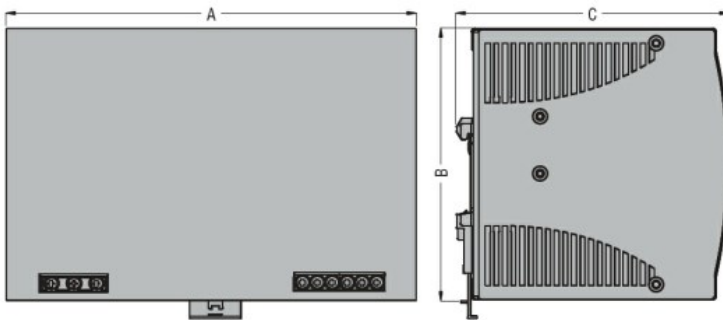
g 1190

Installations

Mounting

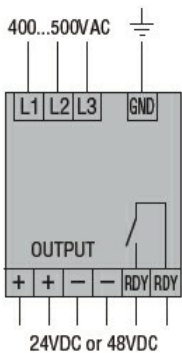
On 35mm DIN rail

Dimensions



| TYPE | A | B | C |
|-------------|----------------|---------------|---------------|
| PSL1 120... | 64 (2.52") | 124.5 (4.90") | 123.6 (4.87") |
| PSL1 240... | 83.5 (3.29") | 124.5 (4.90") | 123.6 (4.87") |
| PSL1 300... | 83.5 (3.29") | 124.5 (4.90") | 123.6 (4.87") |
| PSL1 480... | 175.5 (6.91") | 124.5 (4.90") | 123.6 (4.87") |
| PSL3 120 24 | 74.3 (2.92") | 124 (4.88") | 118.8 (4.68") |
| PSL3 240... | 89 (3.50") | 124 (4.88") | 118.8 (4.68") |
| PSL3 480... | 150 (5.90") | 124 (4.88") | 118.8 (4.68") |
| PSL3 960... | 275.8 (10.86") | 125.9 (4.96") | 120.3 (4.74") |

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