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|-------------------------------------|--|--|--------------------------|---|
| Product designation | | | Switching power supplies | |
| Product type designation | | | PSL1 | |
| Input characteristics | | | | |
| Input type | | | Single-phase | |
| Rated supply voltage AC | | | VAC | Self-configurable 115...230 |
| Operating range | | | V | 90...132VAC - 180...264VAC / 210...375VDC |
| Rated frequency | | | Hz | 50/60 |
| Operational frequency | | | min | Hz 47 |
| | | | max | Hz 63 |
| Current consumption Max | | | mA | 2.8A (90VAC) / 1.4A (180VAC) |
| PFC | | | 0.7 | |
| Insulation voltage Input/Output | | | AC | VAC 3000 |
| | | | DC | VAC 4242 |
| Internal fuse (250VAC) | | | T3 15A 250VAC | |
| Output characteristics | | | | |
| Rated output voltage DC | | | VDC | 24 |
| Voltage trimming (potentiometer) DC | | | min | VDC 22.5 |
| | | | Max | VDC 28.5 |
| Rated output current | | | A | 5 |
| Rated output power | | | W | 120 |
| Temperature coefficient | | | %/°C | ±0.03 |
| Line adjustment | | | % | ±0.5 |
| Load adjustment | | | % | ±1 |
| Efficiency | | | % | 86 |
| Overload protection | | | 110...145% | |
| Short-circuit protection | | | Fold forward | |
| Ripple & noise | | | mV | 50 |
| Parallel connection | | | Nr. | 3 |
| 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 | |

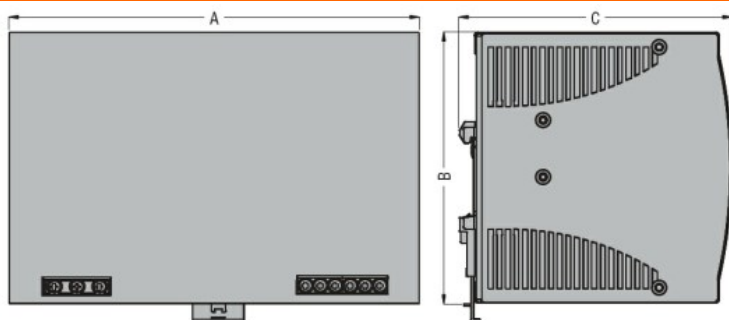
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|---------------------|-----|----|-----|
| Storage temperature | min | °C | -35 |
| | max | °C | +71 |

| | | | |
|----------|-----|------|--------------------|
| Derating | min | °C | -40 |
| | max | °C | +85 |
| | | %/°C | 2.5%/°C above 60°C |

| | | | |
|--------------------------|----|--|--------------------|
| Housing | | | |
| Material | | | Metal |
| IEC degree of protection | | | IP20 |
| Dimensions (W x H x D) | mm | | 64 x 124.5 x 123.6 |
| Weight | g | | 1018 |

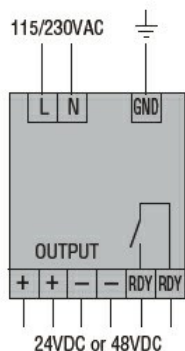
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|----------------------|--|--|------------------|
| Installations | | | |
| Mounting | | | On 35mm DIN rail |

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