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- MODULAR VERSION**
- Single phase
 - Output voltage: 12 or 24VDC
 - Output power: 10-100W.



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- DIN RAIL MOUNT VERSION**
- Single, two and three phase
 - Output voltage: 24VDC
 - Output power: 5-960W.

- ◆ *Versions: modular and 35mm DIN rail mount*
- ◆ *Output voltage adjustment by front potentiometer*
- ◆ *Short-circuit protection*
- ◆ *Built-in input voltage surge suppressor*
- ◆ *Used as power supply for DC electromechanical and electronic equipment.*



Modular switching power supplies

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| Single phase | 21- | 2 |

DIN rail mount switching power supplies

| | | |
|--------------------|-----|---|
| Single phase | 21- | 3 |
| Two phase | 21- | 3 |
| Three phase | 21- | 3 |



PSL1M 010...

PSL1M 033 12
PSL1M 036 24

| Order code | Rated output voltage | Rated output current | Output power | Qty per pkg | Wt |
|---------------|----------------------|----------------------|--------------|-------------|-------|
| | [V] | [A] | [W] | n° | [kg] |
| Single phase. | | | | | |
| PSL1M 010 12 | 12VDC | 0.83 | 10 | 1 | 0.060 |
| PSL1M 024 12 | | 2 | 24 | 1 | 0.130 |
| PSL1M 033 12 | | 2.75 | 33 | 1 | 0.185 |
| PSL1M 054 12 | | 4.5 | 54 | 1 | 0.250 |
| PSL1M 072 12 | | 6 | 72 | 1 | 0.320 |
| PSL1M 010 24 | 24VDC | 0.42 | 10 | 1 | 0.060 |
| PSL1M 024 24 | | 1 | 24 | 1 | 0.130 |
| PSL1M 036 24 | | 1.5 | 36 | 1 | 0.185 |
| PSL1M 060 24 | | 2.5 | 60 | 1 | 0.250 |
| PSL1M 100 24 | | 4.2 | 100 | 1 | 0.320 |

General characteristics

Switching power supplies transform an AC input voltage into a DC output one. This type of equipment is used in industrial and domestic automation fields. The power supplies are equipped with switching technology offering very high efficiency in an extremely compact size.

Dimensions are compatible with modular consumer panels and its plastic housing is suitable for building automation installations as well as industrial automation applications.

The wide range of power supply voltages and the choice of DC current outputs provide for the best adaptability to supply voltage needs of the most common electromechanical and electronic devices.

Protections:

- Short circuit
- Overload
- Input voltage suppressor.

Indications:

- LED indicator for low voltage conditions
- LED indicator for power on.

Operational characteristics

- Rated supply voltage: 100-240VAC
- Rated output voltage: 12VDC for PSL1M...12 types; 24VDC for PSL1M...24 types
- Mains frequency: 50/60Hz
- Output voltage adjustment by front potentiometer
- High efficiency up to 89%
- 35mm DIN rail (IEC/EN 60715) mounting
- Screw connection terminals
- Modular DIN 43880 housing; number of modules:
 - 1 for PSL1M 010...
 - 2 for PSL1M 024...
 - 3 for PSL1M 033 12 and PSL1M 036 24
 - 4 for PSL1M 054 12 and PSL1M 060 24
 - 5 for PSL1M 072 12 and PSL1M 100 24
- Degree of protection: IP20 on terminals.

Certifications and compliance

Certifications obtained: cULus.

Compliant with standards: IEC/EN 60950-1, IEC/EN 61000-6-3, IEC/EN 61000-6-2.



PSL1 005 24
PSL1 010 24
PSL1 018 24

PSL1 030 24
PSL1 060 24



PSL1 100 24
PSL1 120 24

PSL1 240 24
PSL1 300 24



PSL1 480 24



PSL2 100 24
PSL3 120 24



PSL3 240 24



PSL3 480 24



PSL 960 24

| Order code | Rated output voltage | Rated output current | Output power | Qty per pkg | Wt |
|---------------|----------------------|----------------------|--------------|-------------|-------|
| | [V] | [A] | [W] | n° | [kg] |
| Single phase. | | | | | |
| PSL1 005 24 | 24VDC | 0.21 | 5 | 1 | 0.115 |
| PSL1 010 24 | | 0.42 | 10 | 1 | 0.120 |
| PSL1 018 24 | | 0.75 | 18 | 1 | 0.150 |
| PSL1 030 24 | | 1.25 | 30 | 1 | 0.290 |
| PSL1 060 24 | | 2.5 | 60 | 1 | 0.360 |
| PSL1 100 24 | | 4.2 | 100 | 1 | 0.520 |
| PSL1 120 24 | | 5 | 120 | 1 | 0.920 |
| PSL1 240 24 | | 10 | 240 | 1 | 1.000 |
| PSL1 300 24 | | 12.5 | 300 | 1 | 1.000 |
| PSL1 480 24 | | 20 | 480 | 1 | 1.800 |
| Two phase. | | | | | |
| PSL2 100 24 | 24VDC | 4.2 | 100 | 1 | 0.520 |
| Three phase. | | | | | |
| PSL3 120 24 | 24VDC | 5 | 120 | 1 | 0.800 |
| PSL3 240 24 | | 10 | 240 | 1 | 1.100 |
| PSL3 480 24 | | 20 | 480 | 1 | 1.750 |
| PSL3 960 24 | | 40 | 960 | 1 | 3.200 |

General characteristics

This type of equipment is used to power supply electromechanical and electronic devices with DC control, such as contactors, time relays, sensors, PLC, DC motors, displays, SSRs and other equipment normally found in automation systems and networks.

Protections:

- Short circuit
- Overload
- Input voltage suppressor.

Indications:

- LED indicator for low voltage conditions
- LED indicator for power on.

Operational characteristics

- Rated supply voltage:
 - 100-240VAC for PSL1 005 24 - PSL1 060 24 types
 - 115/230VAC configurable for PSL1 100 24 - PSL1 480 24 types
 - 400-500VAC for PSL2... - PSL3... types
- Rated output voltage: 24VDC
- Mains frequency: 50/60Hz
- Output voltage adjustment by front potentiometer
- PFC function for types: PSL1 120 24, PSL1 240 24, PSL1 300 24, PSL1 480 24
- Parallel connection for types: PSL1 120 24, PSL1 240 24, PSL1 300 24, PSL1 480 24, PSL3 240 24, PSL3 480 24, PSL3 960 24
- High efficiency up to 92%
- 35mm DIN rail (IEC/EN 60715) mounting
- Screw connection terminals
- Plastic or metal housing depending on type
- Degree of protection: IP20 on terminals.

Certifications and compliance

Certifications obtained: cULus.

Compliant with standards: IEC/EN 60950-1, IEC/EN 61000-6-3, IEC/EN 61000-6-2.