



- ◆ *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.*



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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.

**Modular switching power supplies**

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**DIN rail mount switching power supplies**

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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.