



Product designation         Modular switching power supplies po				American
Product type designation         PSL1M           Input type         Single-phase           Rated supply voltage AC         VAC         Multivoltage 100240           Operating range           AC         min         VAC         90 Max           DC         min         VDC         264           DC         min         VDC         375           Rated frequency         min         Hz         50/60           Operational frequency         min         Hz         47           Current consumption Max         mA         600         600           PFC         No         No           Insulation voltage Input/Output         AC         VAC         3000           AC         VAC         3000         0         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC         Output characteristics         T2A 250VAC         Output voltage classes         T2A 250VAC         Output classes         T2A 250VAC         Output voltage classes         T2A 250VAC         Output classes         T2A 250VAC         Output	Draduat designation			Modular switching
Input type	Product designation			_
Input type         Single-phase           Rated supply voltage AC         VAC         Multivoltage 1000240           Operating range         min         VAC         90           Max         VAC         264           DC         min         VDC         254           Rated frequency         hz         50/60           Operational frequency         min         Hz         47           Operational frequency         min         Hz         47           Operational frequency         min         Hz         63           Current consumption Max         mA         600         600           FC         mA         600	Product type designation			PSL1M
Rated supply voltage AC         WAC         Multivoltage 100240           AC         min         VAC         99           DC           min         VDC         120           Max         VDC         120           min         VDC         120           min         VDC         120           Max         VDC         120           Current consumption Max         min         Hz         47           Max         Hz         47         47         47         47         47         47         47         47         47         47         47<	Input characteristics			
AC	Input type			
AC	Rated supply voltage AC		VAC	
Max	Operating range			
Max	AC			
DC         min Max         VDC VDC         120 Max         VDC VDC         375           Rated frequency         HZ 50/60         50/60         Description of the proper of t				
Rated frequency         nmin Max         VDC		Max	VAC	264
Rated frequency         Max         VDC         375           Operational frequency         min         Hz         50/60           Operational frequency         min         Hz         47           max         Hz         63           Current consumption Max         mA         600           PFC         No         No           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC           Output characteristics         T2A 250VAC           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         24           Rated output ourrent         A         1         1           Rated output power         W         24         1           Rated output power         W         24         1           Temperature coefficient         % **         ±         1           Load adjustment         % **         ±         1           Efficiency         **         ±         ±           Overload protection         **         ±         ± </td <td>DC</td> <td></td> <td></td> <td></td>	DC			
Rated frequency         Hz         50/60           Operational frequency         min         Hz         47           max         Hz         63           Current consumption Max         mA         600           PFC         No           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC           Output characteristics         T2A 250VAC           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         24           Voltage trimming (potentiometer) DC         Max         VDC         24           Rated output current         A         1         1           Rated output power         W         24           Temperature coefficient         %°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±1           Efficency         %         85           Overload protection         Hiccup           Ripple & noise         Nr.         No           Parallel connection				
Operational frequency         min max         Hz		Max		
Current consumption Max         min max         Hz			Hz	50/60
Current consumption Max         Hz         63           PFC         No           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC           Output characteristics         VDC         24           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         24           Rated output current         A         1         1           Rated output power         W         24           Temperature coefficient         %°C         ±0.03           Line adjustment         %°E         ±0.03           Line adjustment         %°E         ±1           Load adjustment         %°E         ±1           Load adjustment         %°E         ±1           Efficiency         %         ±1           Overload protection         T20160%           Short-circuit protection         Nr.         No           Ripple & noise         mV         50           Parallel connection         Nr.         No           Internal lucctor for low voltage         Yes	Operational frequency			
Current consumption Max         mA 600           PFC         No           Insulation voltage Input/Output         C VAC 3000 DC VAC 4242           Internal fuse (250VAC)         T2A 250VAC           Output characteristics         T2A 250VAC           Rated output voltage DC         VDC 24           Voltage trimming (potentiometer) DC         min VDC 24 Max VDC 28           Rated output current         A 1           Rated output power         W 24           Temperature coefficient         %/°C ±0.03           Line adjustment         % ±1           Load adjustment         % ±1           Coverload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV 50           Parallel connection         Nr. No           Indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Yes           Terminals type         Screw		min	Hz	
PFC         No           Insulation voltage Input/Output         AC VAC 3000 DC VAC 4242           Internal fuse (250VAC)         T2A 250VAC           Output characteristics           Rated output voltage DC         VDC 24           Voltage trimming (potentiometer) DC         min VDC 24           Max         VDC 28           Rated output current         A 1           Rated output power         W 24           Temperature coefficient         %° C ±0.03           Line adjustment         % ±1           Load adjustment         % ±1           Load adjustment         % 55           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV 50           Parallel connection         Nr. No           Indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Yes           Terminals type         Screw		max		
Insulation voltage Input/Output	·		mΑ	
AC VAC 3000 DC VAC 4242           Internal fuse (250VAC)         T2A 250VAC           Output characteristics           Rated output voltage DC         VDC 24           Voltage trimming (potentiometer) DC         min VDC 24           Rated output current         A 1           Rated output power         W 24           Temperature coefficient         % ±1           Line adjustment         % ±1           Efficency         % 85           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV 50           Parallel connection         Nr. No           Indications         Yes           LED indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Yes           Terminals type         Screw				No
Internal fuse (250VAC)         T2A 250VAC           Output characteristics         VDC         24           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         24           Rated output current         A         1           Rated output power         W         24           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±1           Efficency         %         85           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Yes           Terminals type         Screw	Insulation voltage Input/Output			
Internal fuse (250VAC)         T2A 250VAC           Output characteristics           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         24           Max         VDC         28           Rated output current         A         1           Rated output power         W         24           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±1           Efficency         %         85           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr. No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Yes           Terminals type         Screw				
Output characteristics           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min VDC         24           Max         VDC         28           Rated output current         A         1           Rated output power         W         24           Temperature coefficient         %'°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±1           Efficency         %         85           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr. No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Terminals type         Screw		DC	VAC	
Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         24           min         VDC         28           Rated output current         A         1           Rated output power         W         24           Temperature coefficient         %'°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±1           Efficency         %         85           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Terminals type         Screw				T2A 250VAC
Voltage trimming (potentiometer) DC         min Max         VDC VC VDC VDC VDC VDC VDC VDC VDC VDC V	•			
Rated output current         A         1           Rated output power         W         24           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±1           Efficency         %         85           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Terminals type         Screw			VDC	24
Rated output current         A         1           Rated output power         W         24           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±1           Efficency         %         85           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Yes           Terminals type         Screw	Voltage trimming (potentiometer) DC			
Rated output current         A         1           Rated output power         W         24           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±1           Efficency         %         85           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Terminals type         Screw		min		
Rated output power         W         24           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±1           Efficency         %         85           Overload protection         120160%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Connections         Terminals type         Screw		Max	VDC	
Temperature coefficient%/°C±0.03Line adjustment%±1Load adjustment%±1Efficency%85Overload protection120160%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsLED indicator for power onYesLED indicator for low voltageYesConnectionsTerminals typeScrew				
Line adjustment%±1Load adjustment%±1Efficency%85Overload protection120160%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr. NoIndicationsLED indicator for power onYesLED indicator for low voltageYesConnectionsTerminals typeScrew	<u> </u>			
Load adjustment%±1Efficency%85Overload protection120160%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr. NoIndicationsLED indicator for power onYesLED indicator for low voltageYesConnectionsScrew			%/°C	±0.03
Efficency  Overload protection  Short-circuit protection  Ripple & noise  Parallel connection  Indications  LED indicator for power on  LED indicator for low voltage  Connections  Terminals type  W 85  120160%  Hiccup  mV 50  Nr. No  Indications  Yes  Screw	Line adjustment			±1
Overload protection120160%Short-circuit protectionHiccupRipple & noisemV 50Parallel connectionNr. NoIndicationsLED indicator for power onYesLED indicator for low voltageYesConnectionsScrew	Load adjustment		%	±1
Short-circuit protection  Ripple & noise  Parallel connection  Indications  LED indicator for power on  LED indicator for low voltage  Connections  Terminals type  Hiccup  MV 50  Nr. No  Indicator  Yes  Screw			%	85
Ripple & noise mV 50 Parallel connection Nr. No Indications  LED indicator for power on Yes  LED indicator for low voltage Yes  Connections  Terminals type Screw	Overload protection			120160%
Parallel connection Nr. No Indications  LED indicator for power on Yes  LED indicator for low voltage Yes  Connections  Terminals type Screw	Short-circuit protection			Hiccup
IndicationsLED indicator for power onYesLED indicator for low voltageYesConnectionsTerminals typeScrew			mV	50
LED indicator for power onYesLED indicator for low voltageYesConnectionsScrew			Nr.	No
LED indicator for low voltage  Connections  Terminals type  Yes  Screw	Indications			
Connections Terminals type Screw				Yes
Terminals type Screw				Yes
	Connections			
Ambient conditions				Screw
	Ambient conditions			

**ENERGY AND AUTOMATION** 

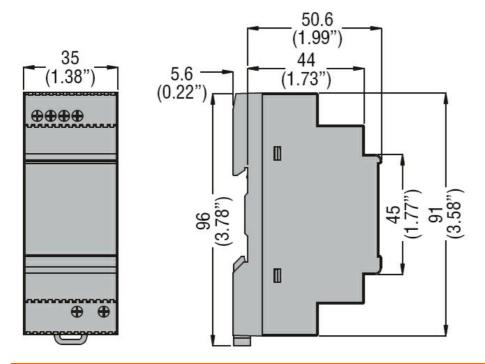
### ALIMENTATION À DÉCOUPAGE, VERS. MODULAIRE MONOPHASE 24W 100-240VAC/24VDC

#### Temperature

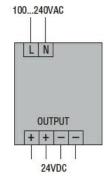
Operating	temperature
Operating	tomporataro

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			
Execution (n° of modules)			2
Material			Plastic
IEC degree of protection			IP20
Dimensions (W x H x D)		mm	35 x 96 x 56.2
Weight		g	177
Installations			
Mounting			On 35mm DIN rail

## Dimensions



## Wiring diagrams



#### Certifications and compliance

### Compliance

CSA C22.2 n°14



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# PSL1M02424

ALIMENTATION À DÉCOUPAGE, VERS. MODULAIRE MONOPHASE 24W 100-240VAC/24VDC

	IEC/EN/BS 61000-6-2
	IEC/EN/BS 61000-6-3
	IEC/EN/BS 62368-1
	UL 508
Certificates	
	cULus
	EAC
	RCM
ETIMA I 100 C	

ETIM classification

ETIM 8.0

EC002540 - DCpower supply