



Product designation			Switching power
-			supplies
Product type designation			PSL1
Input characteristics			Single phase
Input type			Single-phase Multivoltage
Rated supply voltage AC		VAC	100240
Operating range			
AC			
	min	VAC	90
	Max	VAC	264
DC			
	min	VDC	120
	Max	VDC	375
Rated frequency		Hz	50/60
Operational frequency			
	min	Hz	47
	max	Hz	63
Current consumption Max		mA	500
Insulation voltage Input/Output			
	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)			T2A 250VAC
Output characteristics			
Rated output voltage DC		VDC	24
Rated output voltage DC	min	VDC	21.6
Rated output voltage DC Voltage trimming (potentiometer) DC	min Max	VDC VDC	21.6 28.8
Rated output voltage DC Voltage trimming (potentiometer) DC Rated output current		VDC VDC A	21.6 28.8 0.75
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power		VDC VDC A W	21.6 28.8 0.75 18
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient		VDC VDC A W %/°C	21.6 28.8 0.75 18 ±0.03
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment		VDC VDC A W %/°C %	21.6 28.8 0.75 18 ±0.03 ±1
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment		VDC VDC A W %/°C %	21.6 28.8 0.75 18 ±0.03 ±1 ±2
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency		VDC VDC A W %/°C %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection		VDC VDC A W %/°C %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140%
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection		VDC VDC A W %/°C %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection   Ripple & noise		VDC VDC A W %/°C %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140% Hiccup 50
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection   Ripple & noise   Parallel connection		VDC VDC A W %/°C % %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140% Hiccup
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection   Ripple & noise   Parallel connection		VDC VDC A W %/°C % % % %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140% Hiccup 50 No
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection   Ripple & noise   Parallel connection   Indications   LED indicator for power on		VDC VDC A W %/°C % % % %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140% Hiccup 50 No Yes
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection   Ripple & noise   Parallel connection   Indications   LED indicator for power on   LED indicator for low voltage		VDC VDC A W %/°C % % % %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140% Hiccup 50 No Yes Yes
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection   Ripple & noise   Parallel connection   Indicator for power on   LED indicator for low voltage   Power Rdy (Ready - minimum limit)		VDC VDC A W %/°C % % % %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140% Hiccup 50 No Yes
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection   Ripple & noise   Parallel connection   Indications   LED indicator for power on   LED indicator for low voltage   Power Rdy (Ready - minimum limit)   Connections		VDC VDC A W %/°C % % % %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140% Hiccup 50 No Yes Yes Yes No
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection   Ripple & noise   Parallel connection   Indications   LED indicator for power on   LED indicator for low voltage   Power Rdy (Ready - minimum limit)   Connections   Terminals type		VDC VDC A W %/°C % % % %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140% Hiccup 50 No Yes Yes
Rated output voltage DC   Voltage trimming (potentiometer) DC   Rated output current   Rated output power   Temperature coefficient   Line adjustment   Load adjustment   Efficency   Overload protection   Short-circuit protection   Ripple & noise   Parallel connection   Indications   LED indicator for power on   LED indicator for low voltage   Power Rdy (Ready - minimum limit)   Connections		VDC VDC A W %/°C % % % %	21.6 28.8 0.75 18 ±0.03 ±1 ±2 77 110140% Hiccup 50 No Yes Yes Yes No

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ALIMENTATION À DÉCOUPAGE MONOPHASE, FIXATION SUR DIN 100-240VAC/24VDC 18W

ENERGY AND AUTOMATION

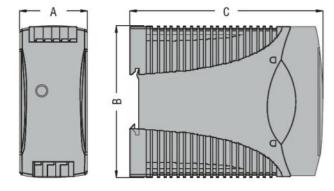
LINTATION A DECOUPAGE MON	1 301 DIN 100-24	+0 V AG/24 V D C I

## Temperature

Operating temperature			
	min	°C	-20
	max	°C	+71
Storage temperature			
	min	°C	-25
	max	°C	+85
Derating		%/°C	2.5%/°C above 60°C
Housing			
Material			Plastic
IEC degree of protection			IP20
Dimensions (W x H x D)		mm	22.5 x 90 x 115
Weight		g	226
Installations			
Mounting			On 35mm DIN

## Mounting

## Dimensions

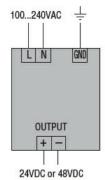


TYPE	A	В	С
PSL1 005 24	22.5 (0.88")	90 (3.54")	115 (4.53")
PSL1 010 24	22.5 (0.88")	90 (3.54")	115 (4.53")
PSL1 018 24	22.5 (0.88")	90 (3.54")	115 (4.53")
PSL1 030	40.5 (1.59")	90 (3.54")	115 (4.53")
PSL1 060	40.5 (1.59")	90 (3.54")	115 (4.53")
PSL1 100	54 (2.12")	90 (3.54")	115 (4.53")
PSL2 100	54 (2.12")	90 (3.54")	115 (4.53")
PSLR 20 24	54 (2.12")	90 (3.54")	115 (4.53")

rail

PSL101824

## Wiring diagrams



Certificatio	ons and compliance	
Compliand	ce de la constante de la const	
	CSA C22.2 n°14	
	IEC/EN/BS 61000-6-2	
	IEC/EN/BS 61000-6-3	
	IEC/EN/BS 62368-1	
	UL 508	
Certificate	S	
	cULus	
	EAC	
	RCM	
ETIM clas	sification	
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ETIM 8.0

EC002540 - DCpower supply