



Product designation			Switching power
-			supplies
Product type designation			PSL1
Input characteristics			Cin ala mbasa
Input type			Single-phase
Rated supply voltage AC		VAC	Multivoltage 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		mΑ	2400
Insulation voltage Input/Output			
	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)			T3.15A 250VAC
Output characteristics			
		VDC	24
Output characteristics		VDC	
Output characteristics Rated output voltage DC	min	VDC VDC	
Output characteristics Rated output voltage DC	min Max		24
Output characteristics Rated output voltage DC		VDC	24 22.5
Output characteristics Rated output voltage DC Voltage trimming (potentiometer) DC		VDC VDC	24 22.5 28.5
Output characteristics Rated output voltage DC Voltage trimming (potentiometer) DC Rated output current Rated output power		VDC VDC A	24 22.5 28.5 4.2
Output characteristics Rated output voltage DC Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient		VDC VDC A	24 22.5 28.5 4.2 100
Output characteristics Rated output voltage DC Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment		VDC VDC A W	24 22.5 28.5 4.2 100 ±0.03
Output characteristics 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 %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1
Output characteristics 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	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86
Output characteristics 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 %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140%
Output characteristics 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 % %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140% Fold forward
Output characteristics 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 % %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140% Fold forward 50
Output characteristics 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 % %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140% Fold forward
Output characteristics 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		VDC VDC A W %/°C % %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140% Fold forward 50 3
Output characteristics 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 % %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140% Fold forward 50 3
Output characteristics 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 % %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140% Fold forward 50 3 Yes Yes
Output characteristics 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)		VDC VDC A W %/°C % %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140% Fold forward 50 3
Output characteristics 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 % %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140% Fold forward 50 3 Yes Yes Yes
Output characteristics 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)		VDC VDC A W %/°C % %	24 22.5 28.5 4.2 100 ±0.03 ±1 ±1 86 110140% Fold forward 50 3 Yes Yes



Temperature

Operating temperature

	min	$^{\circ} C$	-35
	max	°C	+71
Storage temperature			
	min	°C	-40
	max	°C	+85
		%/°C	2.5%/°C above

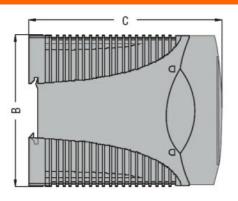
Derating 60°C

Housing		
Material		Plastic
IEC degree of protection		IP20
Dimensions (W x H x D)	mm	54 x 90 x 115
Weight	g	508
Installations		

On 35mm DIN Mounting rail

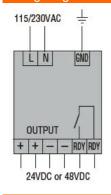
Dimensions





TYPE	Α	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")

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

EAC RCM

ETIM classification





DIN RAIL SWITCHING POWER SUPPLY, SINGLE-PHASE. 24VDC, 4.2A/100W

ETIM 8.0

EC002540 - DCpower supply