



Product designation			Switching power
•			supplies
Product type designation			PSL1
Input characteristics			
Input type			Single-phase
Rated supply voltage AC		VAC	Self-configurable 115230
Operating range		V	90132VAC - 180264VAC / 210375VDC
Rated frequency		Hz	50/60
Operational frequency			
	min	Hz	47
	max	Hz	63
Current consumption Max		mA	2.8A (90VAC) / 1.4A (180VAC)
PFC			0.7
Insulation voltage Input/Output			
	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)			T3 15A 250VAC
Output characteristics			
Rated output voltage DC		VDC	24
•		VDC	24
Rated output voltage DC	min	VDC VDC	24
Rated output voltage DC	min Max		22.5 28.5
Rated output voltage DC		VDC	22.5 28.5 5
Rated output voltage DC  Voltage trimming (potentiometer) DC  Rated output current  Rated output power		VDC VDC A	22.5 28.5
Rated output voltage DC Voltage trimming (potentiometer) DC  Rated output current		VDC VDC A	22.5 28.5 5
Rated output voltage DC  Voltage trimming (potentiometer) DC  Rated output current  Rated output power		VDC VDC A	22.5 28.5 5 120
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	22.5 28.5 5 120 ±0.03
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	22.5 28.5 5 120 ±0.03 ±0.5 ±1
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 %	22.5 28.5 5 120 ±0.03 ±0.5 ±1
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 %	22.5 28.5 5 120 ±0.03 ±0.5 ±1
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 %	22.5 28.5 5 120 ±0.03 ±0.5 ±1 86 110145%
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 % %	22.5 28.5 5 120 ±0.03 ±0.5 ±1 86 110145% Fold forward
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 % %	22.5 28.5 5 120 ±0.03 ±0.5 ±1 86 110145% Fold forward
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 % %	22.5 28.5 5 120 ±0.03 ±0.5 ±1 86 110145% Fold forward 50 3
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 % %	22.5 28.5 5 120 ±0.03 ±0.5 ±1 86 110145% Fold forward 50 3 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)		VDC VDC A W %/°C % %	22.5 28.5 5 120 ±0.03 ±0.5 ±1 86 110145% Fold forward 50 3
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 % %	22.5 28.5 5 120 ±0.03 ±0.5 ±1 86 110145% Fold forward 50 3 Yes 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)		VDC VDC A W %/°C % %	22.5 28.5 5 120 ±0.03 ±0.5 ±1 86 110145% Fold forward 50 3 Yes Yes

Temperature

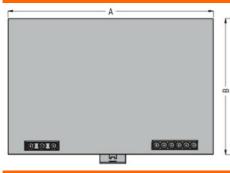
Operating temperature

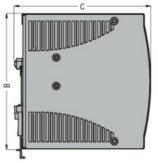


## SCHALTNETZTEIL 1PH 120W 115/230VAC 24VDC BEFESTIGUNG AUF DIN SCHIENE

	min	°C	-35
	max	°C	+71
Storage temperature			_
	min	°C	-40
	max	°C	+85
Derating		%/°C	2.5%/°C above 60°C
Housing			
Material			Metal
IEC degree of protection			IP20
Dimensions (W x H x D)		mm	64 x 124.5 x 123.6
Weight		g	1018
Installations			
Mounting			On 35mm DIN rail

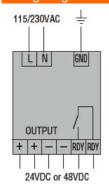
### Dimensions





TYPE	A	В	C
PSL1 120	64 (2.52")	124.5 (4.90")	123.6 (4.87")
PSL1 240	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 300	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 480	175.5 (6.91")	124.5 (4.90")	123.6 (4.87")
PSL3 120 24	74.3 (2.92")	124 (4.88")	118.8 (4.68")
PSL3 240	89 (3.50")	124 (4.88")	118.8 (4.68")
PSL3 480	150 (5.90")	124 (4.88")	118.8 (4.68")
PSL3 960	275.8 (10.86")	125.9 (4.96")	120.3 (4.74")

# Wiring diagrams



## Certifications and compliance

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COIL	v	IIai	いして

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

cULus EAC

RCM

### ETIM classification

**ETIM 8.0** 

EC002540 - DCpower supply