



Product designation	Switching power supplies		
Product type designation	PSL1		
<b>Input characteristics</b>			
Input type	Single-phase		
Rated supply voltage AC	VAC	Multivoltage 100...240	
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	300
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)	T2A 250VAC		
<b>Output characteristics</b>			
Rated output voltage DC	VDC	24	
Voltage trimming (potentiometer) DC	min	VDC	21.6
	Max	VDC	28.8
Rated output current		A	0.42
Rated output power		W	10
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±1
Load adjustment		%	±2
Efficiency		%	76
Overload protection	110...145%		
Short-circuit protection	Hiccup		
Ripple & noise	mV	50	
Parallel connection	Nr.	No	
<b>Indications</b>			
LED indicator for power on	Yes		
LED indicator for low voltage	Yes		
Power Rdy (Ready - minimum limit)	No		
<b>Connections</b>			
Terminals type	Screw		
<b>Ambient conditions</b>			

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
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Housing

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 22.5 x 90 x 115

Weight

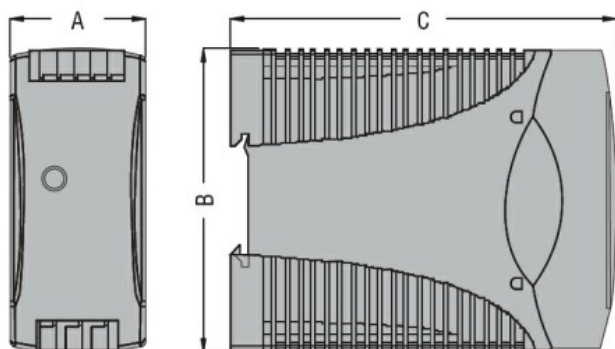
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Installations

Mounting

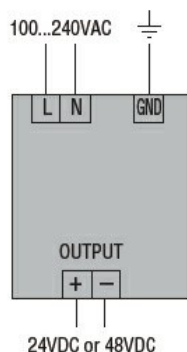
On 35mm DIN rail

Dimensions



TYPE	A	B	C
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

- cULus
- EAC
- RCM

ETIM classification

ETIM 8.0

EC002540 - DC-  
power supply