



Product designation	Switching power supplies		
Product type designation	PSL1		
Input characteristics			
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	2400
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)	T3 15A		
Output characteristics			
Rated output voltage DC	VDC	48	
Voltage trimming (potentiometer) DC	min	VDC	47
	Max	VDC	56
Rated output current		A	2.1
Rated output power		W	100
Temperature coefficient		%/°C	0.03
Line adjustment		%	±1
Load adjustment		%	±1
Efficiency		%	88
Overload protection	110...140%		
Short-circuit protection	Fold forward		
Ripple & noise	mV	50	
Indications			
LED indicator for power on	Yes		
LED indicator for low voltage	Yes		
Power Rdy (Ready - minimum limit)	Yes (relay output - 17.6VDC)		
Connections			
Terminals type	Screw		
Ambient conditions			

Temperature

Operating temperature

min	°C	-35
max	°C	+71

Storage temperature

min	°C	-40
max	°C	+85

Derating

%/°C	2.5
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Housing

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 54 x 90 x 115

Weight

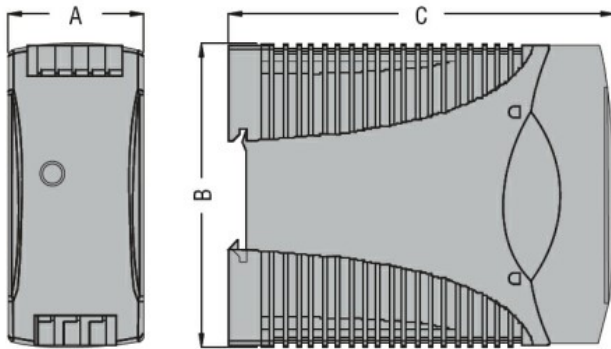
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Installations

Mounting

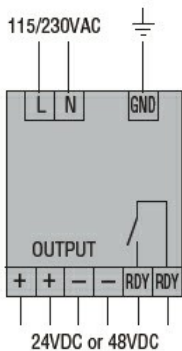
On 35mm DIN rail

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