



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	85	
		VAC	264	
	Max	VDC	90	
		VDC	375	
DC	min	VDC	90	
	Max	VDC	375	
Rated frequency			Hz	50/60
Operational frequency				
	min	Hz	47	
	max	Hz	63	
Current consumption Max			mA	800
Insulation voltage Input/Output				
	AC	VAC	3000	
	DC	VAC	4242	
Internal fuse (250VAC)				T2A
Output characteristics				
Rated output voltage DC			VDC	48
Voltage trimming (potentiometer) DC				
	min	VDC	48	
	Max	VDC	55	
Rated output current			A	0.625
Rated output power			W	30
Temperature coefficient			%/°C	0.03
Line adjustment			%	±0.5
Load adjustment			%	±0.5
Efficiency			%	86
Overload protection				110...150%
Short-circuit protection				Fold forward
Ripple & noise			mV	50
Indications				
LED indicator for power on				Yes
Power Rdy (Ready - minimum limit)				Yes (transistor output - 18.8VDC)
Connections				
Terminals type				Screw
Ambient conditions				

Temperature

Operating temperature

min	°C	-40
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 40.5 x 90 x 115

Weight

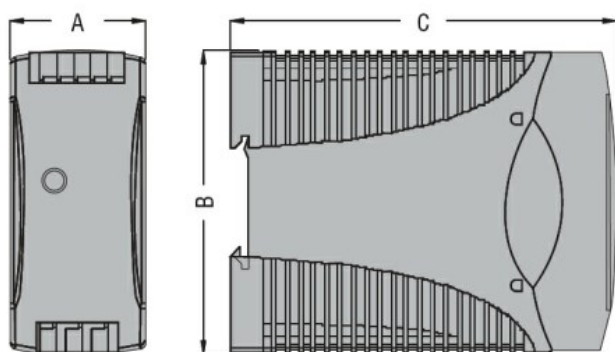
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Installations

Mounting

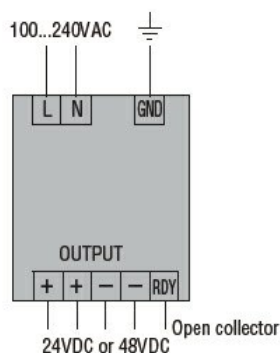
On 35mm DIN rail

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