



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	90
		Max	VDC	375
Rated frequency			Hz	50/60
Operational frequency				
		min	Hz	47
		max	Hz	63
Current consumption Max			mA	1500
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	1.25
Rated output power			W	60
Temperature coefficient			%/°C	0.03
Line adjustment			%	±0.5
Load adjustment			%	±0.5
Efficiency			%	89
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

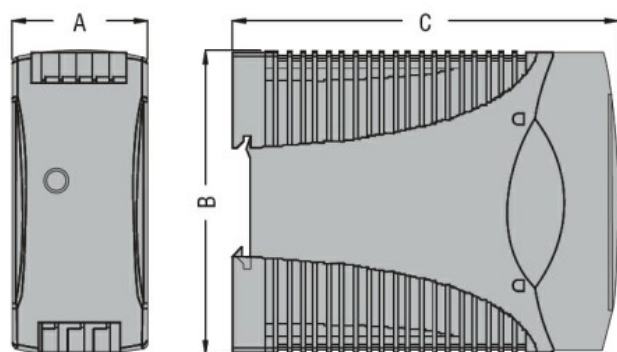
g 400

## Installations

### Mounting

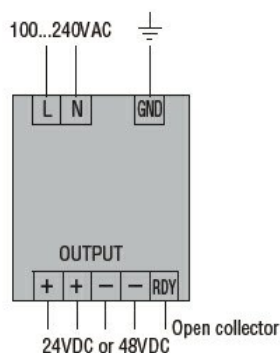
On 35mm DIN rail

## 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