



Switching power supplies  
PSL1

Product designation

Product type designation

**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 300

Insulation voltage Input/Output

AC	VAC	3000
DC	VAC	4242

Internal fuse (250VAC)

T2A 250VAC

**Output characteristics**

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

**Indications**

LED indicator for power on

Yes

LED indicator for low voltage

Yes

Power Rdy (Ready - minimum limit)

No

**Connections**

Terminals type

Screw

**Ambient conditions**

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

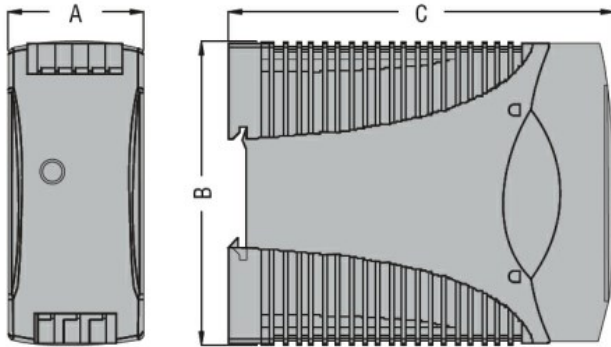
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**Installations**

Mounting

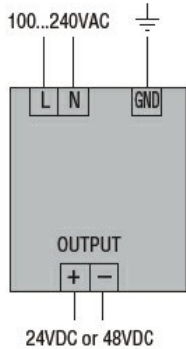
On 35mm DIN rail

**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