



Product designation	Switching power supplies		
Product type designation	PSL2		
<b>Input characteristics</b>			
Input type	Two-phase		
Rated supply voltage AC	VAC	Multivoltage 400...500	
Operating range			
AC	min	VAC	340
	Max	VAC	575
DC	min	VDC	480
	Max	VDC	820
Rated frequency		Hz	50/60
Operational frequency	min	Hz	47
	max	Hz	63
Current consumption Max		mA	750
PFC			0.55
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)	T2A 600VAC		
<b>Output characteristics</b>			
Rated output voltage DC		VDC	24
Voltage trimming (potentiometer) DC	min	VDC	22.5
	Max	VDC	28.5
Rated output current		A	4.2
Rated output power		W	100
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±1
Load adjustment		%	±1
Efficiency		%	87
Overload protection	115...135%		
Short-circuit protection	Hiccup		
Ripple & noise		mV	50
Parallel connection		Nr.	2
<b>Indications</b>			
LED indicator for power on	Yes		
LED indicator for low voltage	Yes		
Power Rdy (Ready - minimum limit)	Yes		
<b>Connections</b>			
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%/°C above 60°C
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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

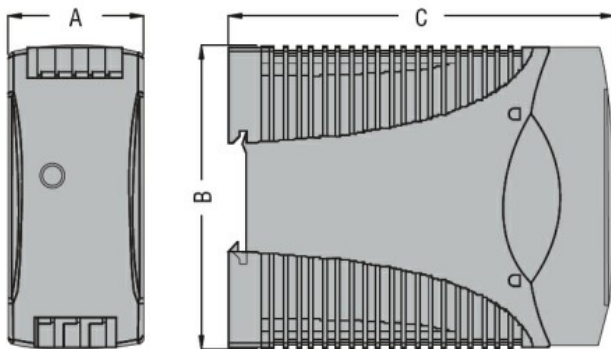
g 570

**Installations**

Mounting

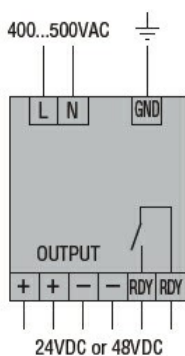
On 35mm DIN rail

**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

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RCM

ETIM classification

ETIM 8.0

EC002540 - DC-  
power supply