



Product designation	Switching power supplies		
Product type designation	PSL2		
Input characteristics			
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		
Output characteristics			
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
Indications			
LED indicator for power on			Yes
LED indicator for low voltage			Yes
Power Rdy (Ready - minimum limit)			Yes
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%/°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

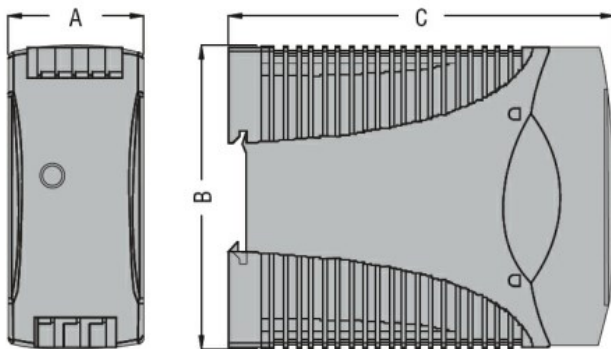
g 570

Installations

Mounting

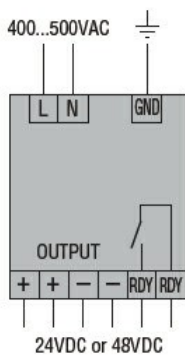
On 35mm DIN rail

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

RCM

ETIM classification

ETIM 8.0

EC002540 - DC-
power supply