



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	
Output characteristics					
Rated output voltage DC				VDC	48
Voltage trimming (potentiometer) DC				min	VDC 22.5
				Max	VDC 28.5
Rated output current				A	2.1
Rated output power				W	100
Temperature coefficient				%/°C	0.03
Line adjustment				%	±1
Load adjustment				%	±1
Efficiency				%	89
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 (relay output - 17.6VDC)	
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

Housing

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 54 x 90 x 115

Weight

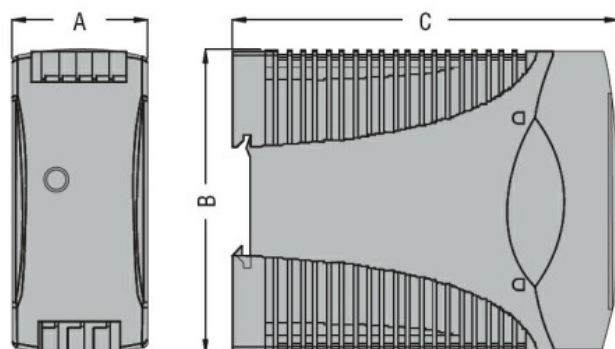
g 570

Installations

Mounting

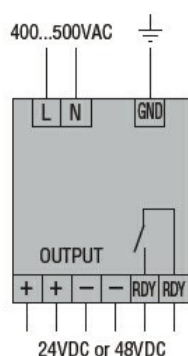
On 35mm DIN rail

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