



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

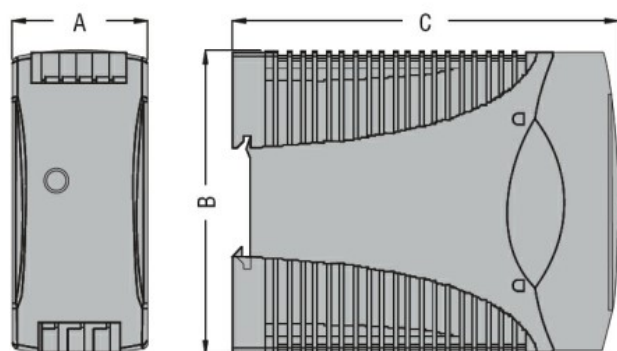
Housing

Material	Plastic
IEC degree of protection	IP20
Dimensions (W x H x D)	mm 54 x 90 x 115
Weight	g 570

Installations

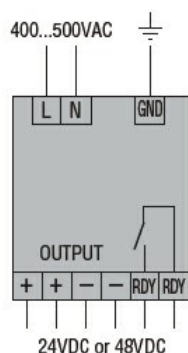
Mounting	On 35mm DIN rail
----------	------------------

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