



Input characteristics

Input type				Single-phase
Rated supply voltage AC			VAC	Multivoltage 100...240
Operating range				
AC		min	VAC	85
		Max	VAC	264
DC		min	VDC	90
		Max	VDC	375
Rated frequency			Hz	50/60
Operational frequency				
		min	Hz	47
		max	Hz	63
Current consumption Max			mA	800
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	24
	Max	VDC	28
Rated output current		A	1.25
Rated output power		W	30
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±0.5
Load adjustment		%	±0.5
Efficiency		%	86
Overload protection			110...150%
Short-circuit protection			Fold forward
Ripple & noise		mV	50
Parallel connection		Nr.	No

Indications

LED indicator for power on	Yes
LED indicator for low voltage	No
Power Rdy (Ready - minimum limit)	Yes

Connections

Terminals type	Screw
----------------	-------

Ambient conditions

Temperature	Operating temperature		
	min	°C	-40

Storage temperature	max	°C	+71
	min	°C	-40
	max	°C	+85
Derating		%/°C	2.5%/°C above 60°C

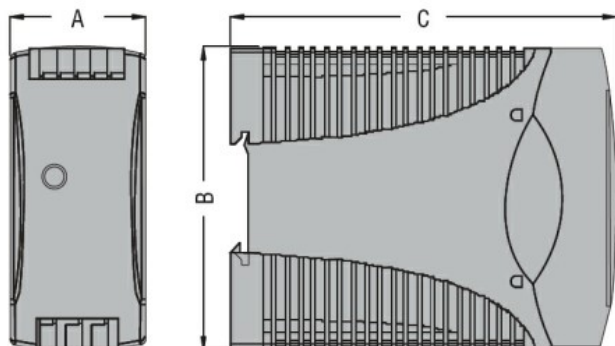
Housing

Material	Plastic
IEC degree of protection	IP20
Dimensions (W x H x D)	mm 40.5 x 90 x 115
Weight	g 336

Installations

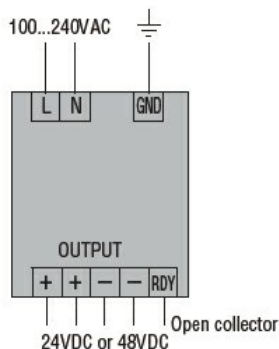
Mounting	On 35mm DIN rail
----------	------------------

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