



Input characteristics

Input type				Single-phase
Rated supply voltage AC			VAC	Multivoltage 100...240
Operating range				
AC	min	VAC	90	
	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	1500
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	48
	Max	VDC	55
Rated output current		A	1.25
Rated output power		W	60
Temperature coefficient		%/°C	0.03
Line adjustment		%	±0.5
Load adjustment		%	±0.5
Efficiency		%	89
Overload protection			110...150%
Short-circuit protection			Fold forward
Ripple & noise		mV	50

Indications

LED indicator for power on	Yes		
Power Rdy (Ready - minimum limit)	Yes (transistor output - 18.8VDC)		

Connections

Terminals type	Screw		
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Ambient conditions

Temperature			
Operating temperature	min	°C	-40

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

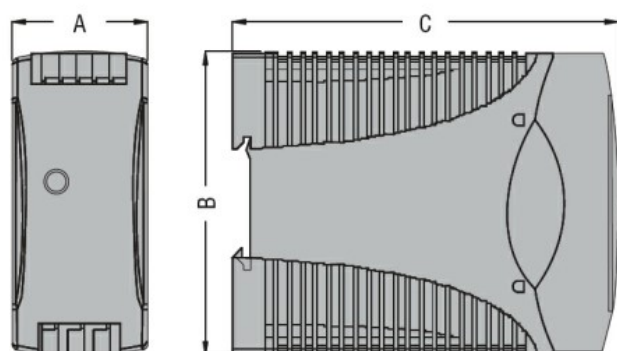
Housing

Material	Plastic
IEC degree of protection	IP20
Dimensions (W x H x D)	mm 40.5 x 90 x 115
Weight	g 400

Installations

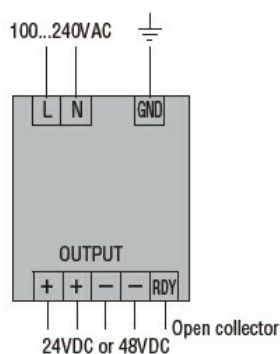
Mounting	On 35mm DIN rail
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Dimensions



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