



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	120
			Max	VDC	375
Rated frequency				Hz	50/60
Operational frequency					
			min	Hz	47
			max	Hz	63
Current consumption Max				mA	2400
Insulation voltage Input/Output					
			AC	VAC	3000
			DC	VAC	4242
Internal fuse (250VAC)					T3 15A

Output characteristics

Rated output voltage DC		VDC	48
Voltage trimming (potentiometer) DC			
	min	VDC	47
	Max	VDC	56
Rated output current		A	2.1
Rated output power		W	100
Temperature coefficient		%/°C	0.03
Line adjustment		%	±1
Load adjustment		%	±1
Efficiency		%	88
Overload protection			110...140%
Short-circuit protection			Fold forward
Ripple & noise		mV	50

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		
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Ambient conditions

Temperature			
Operating temperature	min	°C	-35

	max	°C	+71
Storage temperature	min	°C	-40
	max	°C	+85

Derating

%/°C 2.5

Housing

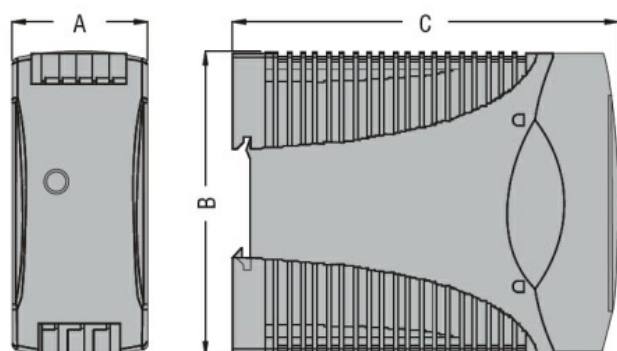
Material	Plastic
IEC degree of protection	IP20
Dimensions (W x H x D)	mm 54 x 90 x 115
Weight	g 508

Installations

Mounting

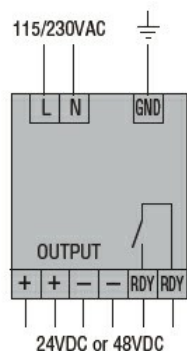
On 35mm DIN rail

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