



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

Output characteristics

Rated output voltage DC		VDC		48
Voltage trimming (potentiometer) DC		min	VDC	48
		Max	VDC	55
Rated output current			A	0.625
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

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

Derating		%/°C	2.5
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Housing

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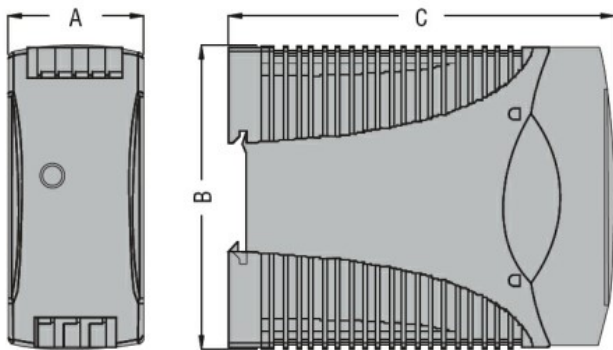
Dimensions (W x H x D)	mm	40.5 x 90 x 115	
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Weight	g	336	
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Installations

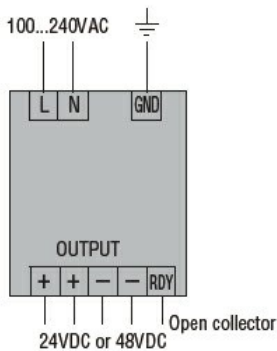
Mounting	On 35mm DIN rail		
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Dimensions



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
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