



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
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Ambient conditions

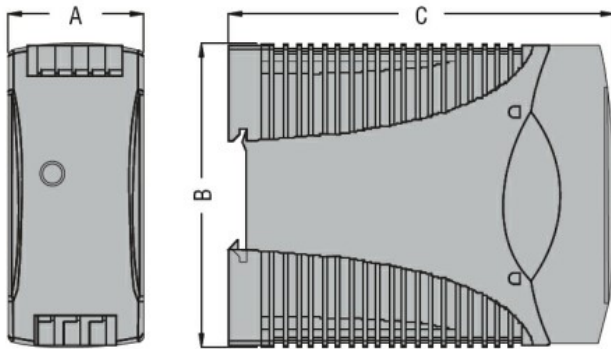
Temperature	Operating temperature
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Storage temperature	min	°C	-40
	max	°C	+71
Derating	min	°C	-40
	max	°C	+85
		%/°C	2.5%/°C above 60°C

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

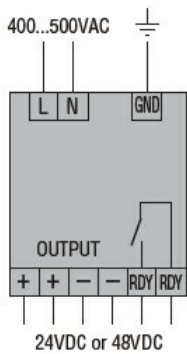
Installations			
Mounting	On 35mm DIN rail		

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