



Input characteristics

Input type				Three-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	1400
PFC					0.65
Insulation voltage Input/Output					
			AC	VAC	3000
			DC	VAC	4242
Internal fuse (250VAC)					T3 15A 500VAC

Output characteristics

Rated output voltage DC		VDC	24
Voltage trimming (potentiometer) DC			
	min	VDC	22.5
	Max	VDC	28.5
Rated output current		A	20
Rated output power		W	480
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±1
Load adjustment		%	±1
Efficiency		%	90
Overload protection			110...135%
Short-circuit protection			Fold forward
Ripple & noise		mV	100
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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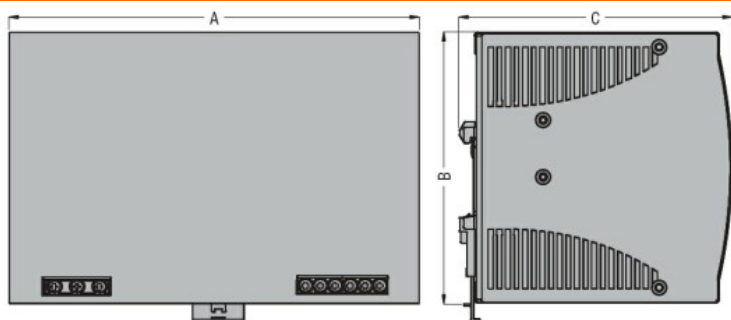
Storage temperature	min	°C	-30
	max	°C	+71

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

Housing			
Material			Metal
IEC degree of protection			IP20
Dimensions (W x H x D)	mm		150 x 124 x 118.8
Weight	g		1995

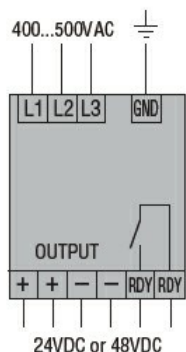
Installations			
Mounting			On 35mm DIN rail

Dimensions



TYPE	A	B	C
PSL1 120...	64 (2.52")	124.5 (4.90")	123.6 (4.87")
PSL1 240...	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 300...	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 480...	175.5 (6.91")	124.5 (4.90")	123.6 (4.87")
PSL3 120 24	74.3 (2.92")	124 (4.88")	118.8 (4.68")
PSL3 240...	89 (3.50")	124 (4.88")	118.8 (4.68")
PSL3 480...	150 (5.90")	124 (4.88")	118.8 (4.68")
PSL3 960...	275.8 (10.86")	125.9 (4.96")	120.3 (4.74")

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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