



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	2400
PFC				0.8
Insulation voltage Input/Output				
		AC	VAC	3000
		DC	VAC	4242
Internal fuse (250VAC)				T5A 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	40	
Rated output power	W	960	
Temperature coefficient	%/°C	±0.03	
Line adjustment	%	±1	
Load adjustment	%	±1	
Efficiency	%	92	
Overload protection		125...145%	
Short-circuit protection		Hiccup	
Ripple & noise	mV	80	
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	3.5%/°C above 60°C

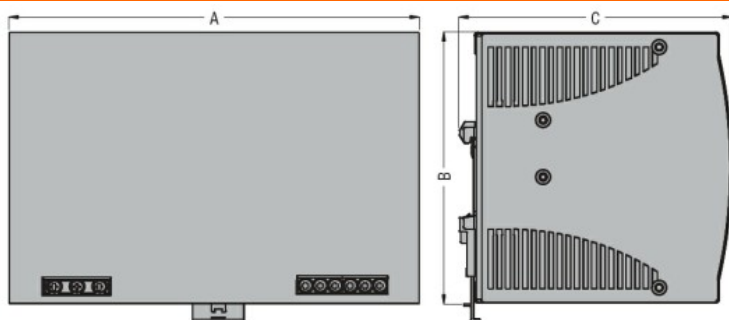
Housing

Material	Metal
IEC degree of protection	IP20
Dimensions (W x H x D)	mm 275.8 x 125.9 x 120.3
Weight	g 3672

Installations

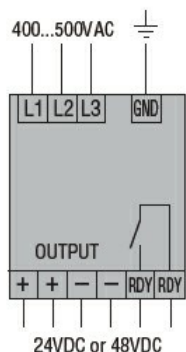
Mounting	On 35mm DIN rail
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Dimensions



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