



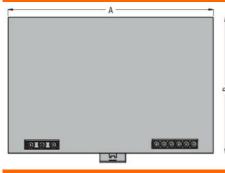
Product type designation Product type designation Product type Product ty	Dock of Justine of the			Switching power
Input type	Product designation			• • • • • • • • • • • • • • • • • • • •
Input type Single-phase Rated supply voltage AC VAC Self-configurable 115230 Operating range Min VAC 90 Max VAC 264 DC min VDC 120 Max VDC 375 Rated frequency Hz 50/60 Operational frequency min Hz 50/60 Operational frequency min Hz 47 Rated frequency max 14z 50/60 Operational frequency max 400 3000 Expected frequency nm 3000				PSL1
Rated supply voltage AC	·			
Name	Input type			
AC	Rated supply voltage AC		VAC	
Min	Operating range			
Max	AC			
DC				
Rated frequency Hz 50/60 Operational frequency min Hz 50/60 Operational frequency min Hz 47 max Hz 63 Current consumption Max mA 3000 PFC 0.97 Insulation voltage Input/Output AC VAC 3000 DC VAC 4242 Internal fuse (250VAC) T10A T0A Output characteristics T10A T0A Rated output voltage DC VDC 48 Voltage trimming (potentiometer) DC min VDC 47 Rated output current A 10 Rated output power W 480 Temperature coefficient %/°C 0.03 Line adjustment % ±0.5 Load adjustment % ±0.5 Load adjustment % ±0.5 Current consumption % ±0.5 Load adjustment % ±0.5 Current consumption		Max	VAC	264
Rated frequency Max VDC 375 Rated frequency Hz 50/60 Operational frequency min Hz 47 max Hz 63 Current consumption Max mA 3000 PFC 0.97 Insulation voltage Input/Output AC VAC 3000 DC VAC 4242 Internal fuse (250VAC) T10A T10A Output characteristics Rated output voltage DC VDC 48 Voltage trimming (potentiometer) DC min VDC 47 Max VDC 56 Rated output current A 10 Rated output power W 480 Temperature coefficient %°C 0.03 Line adjustment % ±0.5 Load adjustment % ±0.5 Load adjustment % ±0.5 Load adjustment % ±0.5 Current % ±0.5 Load adjustment	DC			
Rated frequency Hz 50/60 Operational frequency min max Hz 47 max Current consumption Max mA 3000 PFC 0.97 Insulation voltage Input/Output AC VAC 3000 DC Max VAC 4242 Internal fuse (250VAC) T10A T10A Output characteristics T10A T10A Rated output voltage DC VDC 48 Voltage trimming (potentiometer) DC min VDC 47 max Rated output current A 10 Rated output power W 480 Temperature coefficient %'*C 0.03 Line adjustment % ±0.5 Load adjustment % ±0.5 Load adjustment % ±0.5 Efficency % 90 Overload protection 110140%				
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Current consumption Max Hz d3 47 max Hz d3 63 Current consumption Max mA 3000 3000 97 Insulation voltage Input/Output AC VAC 3000 DC VAC 4242 Internal fuse (250VAC) T10A Output characteristics Rated output voltage DC VDC 48 Voltage trimming (potentiometer) DC min VDC 47 Max VDC 56 Rated output current A 10 Rated output power W 480 Temperature coefficient W 480 Temperature coefficient % ±0.5 Load adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%			Hz	50/60
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Current consumption Max mA 3000 PFC 0.97 Insulation voltage Input/Output AC VAC 3000 DC No VAC 4242 Internal fuse (250VAC) T10A Output characteristics VDC 48 Rated output voltage DC VDC 47 Voltage trimming (potentiometer) DC min VDC 47 Max VDC 56 Rated output current A 10 Rated output power W 480 Temperature coefficient %/°C 0.03 Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%		min		
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Insulation voltage Input/Output			mA	
AC VAC 3000 DC VAC 4242 Internal fuse (250VAC)				0.97
Internal fuse (250VAC) T10A Output characteristics Rated output voltage DC VDC 48 Voltage trimming (potentiometer) DC min VDC 47 Max VDC 56 Rated output current A 10 Rated output power W 480 Temperature coefficient %/°C 0.03 Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%	Insulation voltage Input/Output			
Internal fuse (250VAC)		AC	VAC	
Output characteristics Rated output voltage DC VDC 48 Voltage trimming (potentiometer) DC min VDC 47 Max VDC 56 56 Rated output current A 10 Rated output power W 480 Temperature coefficient %/°C 0.03 Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%		DC	VAC	
Rated output voltage DC VDC 48 Voltage trimming (potentiometer) DC min VDC 47 Max VDC 56 Rated output current A 10 Rated output power W 480 Temperature coefficient %/°C 0.03 Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%				T10A
Voltage trimming (potentiometer) DC min Max VDC	•			
min Max VDC	·		VDC	48
Rated output current A 10 Rated output power W 480 Temperature coefficient %/°C 0.03 Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%	Voltage trimming (potentiometer) DC			
Rated output current A 10 Rated output power W 480 Temperature coefficient %/°C 0.03 Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%		min		
Rated output power W 480 Temperature coefficient %/°C 0.03 Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%		Max		
Temperature coefficient %/°C 0.03 Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%	Rated output current		Α	10
Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 90 Overload protection 110140%	Rated output power			480
Load adjustment % ±1 Efficency % 90 Overload protection 110140%	Temperature coefficient		%/°C	0.03
Efficency % 90 Overload protection 110140%	Line adjustment		%	±0.5
Overload protection 110140%	Load adjustment		%	±1
	Efficency		%	90
Object almost unstantion	Overload protection			110140%
Short-circuit protection Fold forward	Short-circuit protection			Fold forward
Ripple & noise mV 100	Ripple & noise		mV	100
Parallel connection Nr. 3	Parallel connection		Nr.	3
Indications	Indications			
LED indicator for power on Yes	LED indicator for power on			Yes
LED indicator for low voltage Yes	LED indicator for low voltage			Yes
Power Rdy (Ready - minimum limit) Yes (relay output - 17.6VDC)	Power Rdy (Ready - minimum limit)			
Connections	Connections			

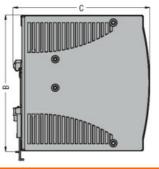


ENERGY AND AUTOMATION

Terminals type				Screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+71
	Storage temperature			
		min	°C	-40
		max	°C	+85
Derating			%/°C	2.5
Housing				
Material				Metal
IEC degree of protect	ction			IP20
Dimensions (W x H x D)			mm	175.5 x 124.5 x
			111111	123.6
Weight			g	2348
Installations				
Mounting				On 35mm DIN
- Informing				rail

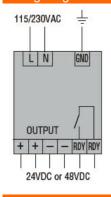
Dimensions





TYPE	A	В	С
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





DIN RAIL SWITCHING POWER SUPPLY, SINGLE-PHASE. 48VDC, 10A/480W

ETIM 8.0

EC002540 - DCpower supply