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Draduct decimation			Switching power
Product designation			supplies
Product type designation			PSL1
Input characteristics			
Input type			Single-phase
Rated supply voltage AC		VAC	Multivoltage 100240
Operating range			
AC			
	min	VAC	90
	Max	VAC	264
DC			
	min	VDC	120
	Max	VDC	375
Rated frequency		Hz	50/60
Operational frequency			
	min	Hz	47
	max	Hz	63
Current consumption Max		mA	300
Insulation voltage Input/Output			
	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)			T2A 250VAC
Output characteristics			
Rated output voltage DC		VDC	24
Voltage trimming (potentiometer) DC		_	
	min	VDC	21.6
	Max	VDC	28.8
Rated output current		A	0.42
Rated output power		W	10
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±1
Load adjustment		%	±2
Efficency		%	76
Overload protection			110145%
Short-circuit protection			Hiccup
Ripple & noise		mV	50
Parallel connection		Nr.	No
Indications			
LED indicator for power on			Yes
LED indicator for low voltage			Yes
Power Rdy (Ready - minimum limit)			No
Connections			
Terminals type			Screw
Ambient conditions			



#### **ENERGY AND AUTOMATION**

### Temperature

## Operating temperature

	min	°C	-20
	max	°C	+71
Storage temperature			
	min	°C	-25
	max	°C	+85
			2 E0/ /°C above

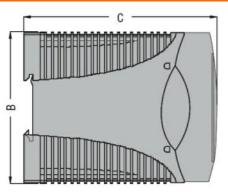
Derating % %C  $\frac{2.5\%}{60\%}$  above  $\frac{2.5\%}{60\%}$  above

Housing		
Material		Plastic
IEC degree of protection		IP20
Dimensions (W x H x D)	mm	22.5 x 90 x 115
Weight	g	196
Installations		

Mounting On 35mm DIN rail

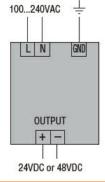
#### **Dimensions**





TYPE	Α	В	С
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





DIN RAIL SWITCHING POWER SUPPLY, SINGLE-PHASE. 24VDC, 0.42A/10W

ETIM 8.0

EC002540 - DCpower supply