PSL101024

DIN rail switching power supply, single-phase. 24VDC, 0.42A/10W



Product designation			Switching power supplies
Product type designation			PSL1
Input characteristics			
Input type			Single-phase
Rated supply voltage AC		VAC	Multivoltage 100...240
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			110…145%
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			

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Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+71
	Storage temperature			
		min	°C	-25
		max	°C	+85
Derating			%/°C	2.5%/°C above 60°C

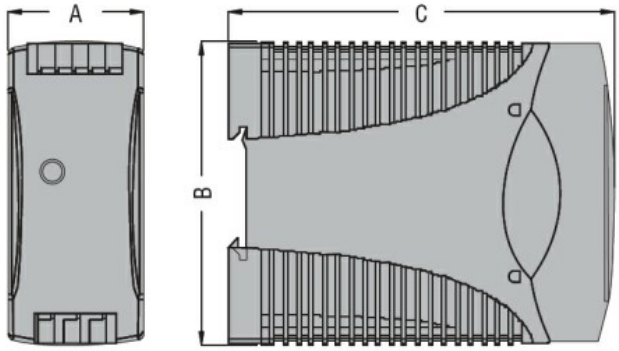
Housing

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

Installations

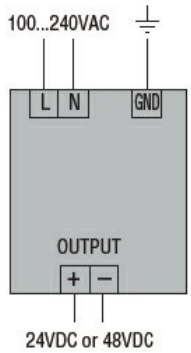
Mounting	On 35mm DIN rail

Dimensions



TYPE	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

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ETIM 8.0

EC002540 - DC-power supply

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