



			D. C.
Product designation			Switching power
Floudel designation			supplies
Product type designation			PSL1
Input characteristics			
Input type			Single-phase
Rated supply voltage AC		VAC	Multivoltage 100240
Operating range			
AC			
	min	VAC	85
	Max	VAC	264
DC			
	min	VDC	90
	Max	VDC	375
Rated frequency		Hz	50/60
Operational frequency			
	min	Hz	47
	max	Hz	63
Current consumption Max		mA	800
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	24
	Max	VDC	28
Rated output current		A	1.25
Rated output power		W	30
Temperature coefficient		%/°C	±0.03
Line adjustment		%	±0.5
Load adjustment		%	±0.5
Efficency		%	86
Overload protection			110150%
Short-circuit protection			Fold forward
Ripple & noise		mV	50
Parallel connection		Nr.	No
Indications			
LED indicator for power on			Yes
LED indicator for low voltage			No
Power Rdy (Ready - minimum limit)			Yes
Connections			
Terminals type			Screw
Ambient conditions			



ENERGY AND AUTOMATION

Temperature

Operating temperature

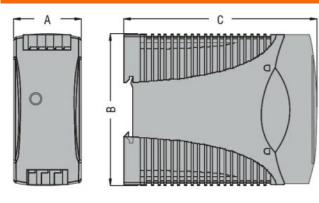
	min	°C	-40
	max	°C	+71
Storage temperature			
	min	°C	-40
	max	°C	+85
			0.50//00.1

2.5%/°C above %/°C Derating 60°C

Housing		
Material		Plastic
IEC degree of protection		IP20
Dimensions (W x H x D)	mm	40.5 x 90 x 115
Weight Installations	g	336
Installations		

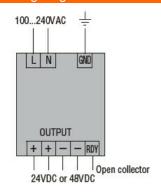
On 35mm DIN Mounting

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





DIN RAIL SWITCHING POWER SUPPLY, SINGLE-PHASE. 24VDC, 1.25A/30W

ETIM classification

ETIM 8.0

EC002540 - DCpower supply