



Product designation

Product type designation

Switching power
supplies
PSL1

Input characteristics

Input type				Single-phase
Rated supply voltage AC		VAC		Multivoltage 100...240
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	1500
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	2.5
Rated output power			W	60
Temperature coefficient			%/°C	±0.03
Line adjustment			%	±0.5
Load adjustment			%	±0.5
Efficiency			%	89
Overload protection				110...150%
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
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Ambient conditions

Temperature

Operating temperature

min	°C	-40
max	°C	+71

Storage temperature

min	°C	-40
max	°C	+85

Derating

%/°C	2.5%/°C above 60°C
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Housing

Material

Plastic

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 40.5 x 90 x 115

Weight

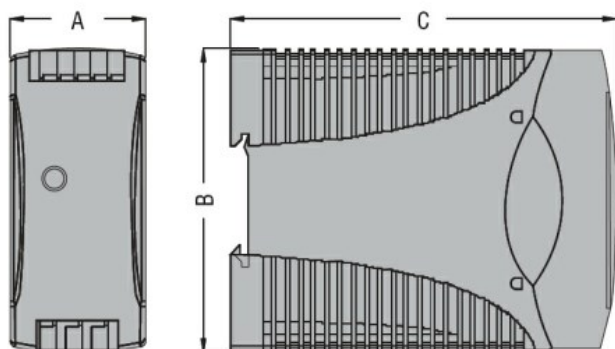
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Installations

Mounting

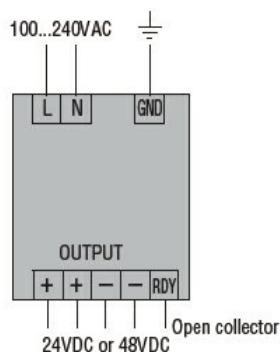
On 35mm DIN
rail

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

ETIM 8.0

EC002540 - DC-
power supply