



Features :

- Plastic case, Ultra slim
- Support wide range of AC/DC auxiliary supply
- Efficiencies up to 82%
- Full power between -25°C to +50°C
- Protection against short circuit, overload
- Cooling by free air convection

Model Number Legend:

RPS15 - - CE

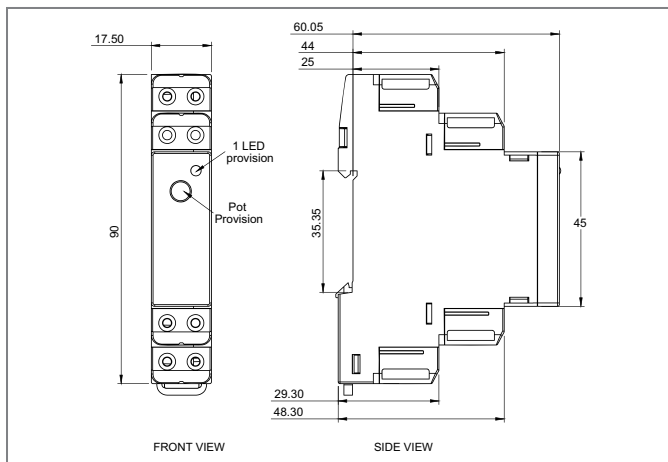
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1. Output Voltage: 05: 5V
12: 12V
24: 24V

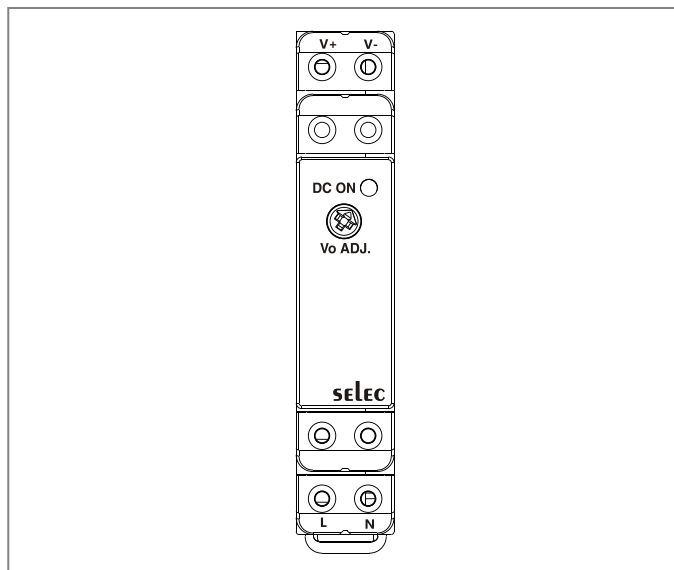
SPECIFICATIONS:

MODEL		RPS15-05-CE	RPS15-12-CE	RPS15-24-CE
OUTPUT	NOMINAL DC VOLTAGE	5V	12V	24V
	RATED CURRENT	2.4A	1.25A	0.625A
	CURRENT RANGE	0 – 2.4A	0 – 1.25A	0 – 0.625A
	RATED POWER	12W	15W	15W
	RIPPLE & NOISE (max)	<1.5% of Vout	<1% of Vout	<1% of Vout
	VOLTAGE ADJ. RANGE	4.9 to 5.40 V	12 to 14 V	24 – 28 V
	VOLTAGE TOLERANCE		± 1 %	
	LINE REGULATION		± 1 %	
	LOAD REGULATION		± 1 %	
	TURN ON TIME		<1 sec ; at full load	
	HOLD UP TIME		30ms @230VAC, 10ms @115VAC at full load	
RISE TIME		<100 ms		
INPUT	VOLTAGE RANGE	100 - 240V AC (141 – 340V DC)		
	FREQUENCY RANGE	50/60Hz		
	EFFICIENCY @ 230V AC	78%	81%	82%
	AC CURRENT	0.3A@115V AC; 0.15A@230V AC		
	INRUSH CURRENT	< 30 Amps; Measured at 264V AC, 25°C Ambient, Cold start		
PROTECTION	OVERLOAD	110% to 150% of rated output current; Hiccup type; Autorecovery		
	OUTPUT SHORT CIRCUIT	Hiccup mode when output is shorted; Autorecovery type.		
ENVIRONMENT	OPERATING TEMP	-40°C to +70°C; De-rate linearly above 50°C from 100% load at 50°C to 50% load at 70°C. Note : Only start up guaranteed at -40°C with spec deterioration.		
	STORAGE TEMP	-40°C to +85°C		
	COOLING	Natural Cooling		
	HUMIDITY	5 to 95% RH, Non condensing		
	ALTITUDE	2000m		
	VIBRATION	Component : 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
SAFETY & EMC	SAFETY STANDARDS	Designed to meet IEC 62368-1 & Processing for UL 508		
	DIELECTRIC WITHSTAND VOLTAGE	I/P to O/P : 4000V AC		
	CONDUCTED EMISSION	CISPR11; Class A		
	RADIATED EMISSION	CISPR22; Class A		
MECHANICAL	DIMENSION	Overall : 65mm x 17.50 x 90mm (LxWxH)		
	WEIGHT	82.77gms		
	MOUNTING	17.5mm DIN Rail		

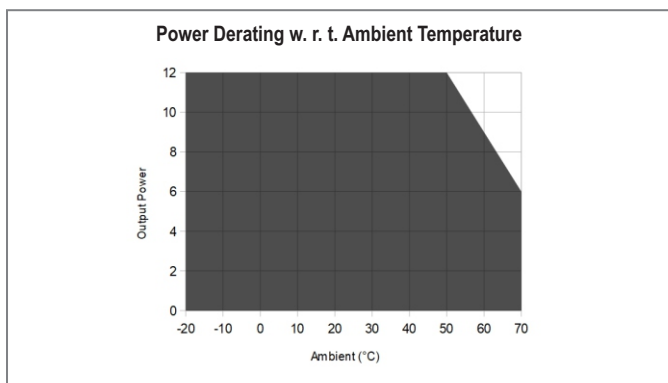
Mechanical Dimensions (All are in mm)



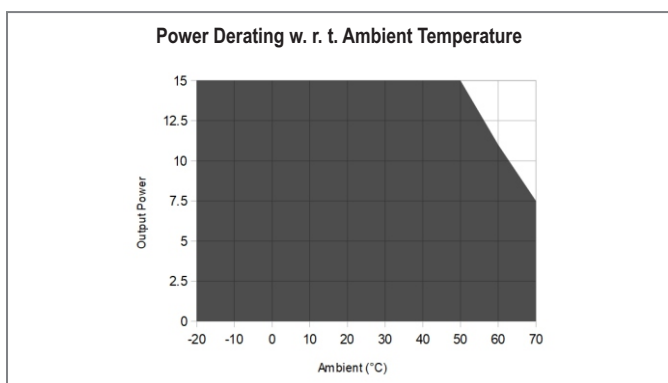
Terminal connections



Power derating w.r.t Ambient for 5V



Power derating w.r.t Ambient for 12V & 24V



Compliance

Applicable EMI / EMC Standards		
Product Standard		
Category	Reference Standards	Testing Level
Conducted Emission	CISPR11	CLASS A
Radiated Emission	CISPR22	CLASS A
Electrostatic Discharge	IEC61000-4-2	Level 4, Criteria A Level 3, Criteria A
Radiated Susceptibility	IEC61000-4-3	Level 3, Criteria B
Electrical Fast Transient / Burst	IEC61000-4-4	Level 3, Criteria A
Surge	IEC61000-4-5	
Conducted Susceptibility	IEC61000-4-6	Level 3, Criteria B
Power Frequency Magnetic Field	IEC61000-4-8	Level 4, Criteria A
Voltage Dips & Interruption	IEC61000-4-11	Criteria A & B
Safety	IEC62368-1	PASS

Ordering information

Product Code	Description	Certification
RPS15-05-CE	12W, 05V/2.4A DIN rail mounted Power Supply in Plastic Housing	CE in process
RPS15-12-CE	15W, 12V/1.25A DIN rail mounted Power Supply in Plastic Housing	CE in process
RPS15-24-CE	15W, 24V/0.625A DIN rail mounted Power Supply in Plastic Housing	CE in process