

**Features :**

- Plastic case
- Support 1Φ, wide range AC/DC
- Power factor > 0.95 @ full load over entire input range
- Efficiency 93% @ 230V AC
- Start up time < 2 sec @ full load over entire input range
- Protection against short circuit, overload, overvoltage & over temperature
- Cooling by free air convection

Model Number Legend:RPS240 - - CE

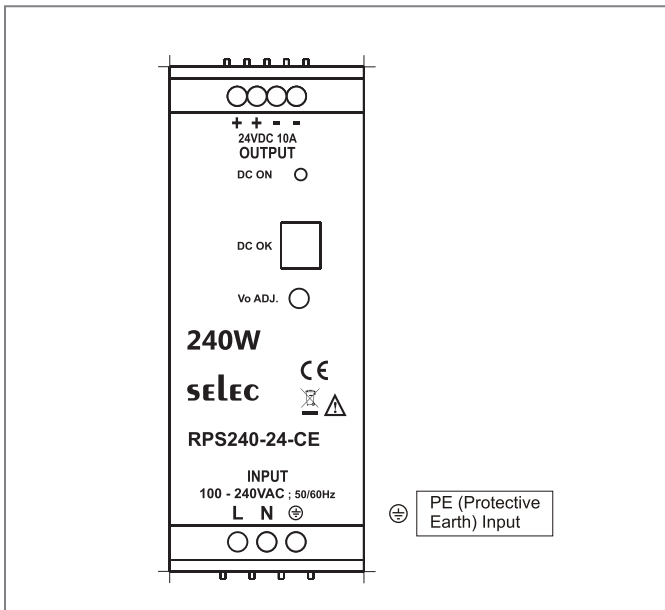
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1. Output Voltage: 12: 12V
24: 24V
48: 48V

Certification :

SPECIFICATIONS:

MODEL		RPS240-12-CE	RPS240-24-CE	RPS240-48-CE
OUTPUT	NOMINAL DC VOLTAGE	12V	24V	48V
	RATED CURRENT	15A	10A	5A
	CURRENT RANGE	0 – 15A	0 – 10A	0 – 5A
	RATED POWER	180W	240W	240W
	RIPPLE & NOISE (max)	<1% of Vout	<1% of Vout	<1% of Vout
	VOLTAGE ADJ. RANGE	12 to 14 V	24 to 28 V	48 to 56 V
	VOLTAGE TOLERANCE	± 1 %		
	LINE REGULATION	<1% of Vout		
	LOAD REGULATION	± 1 %		
	TURN ON TIME	<2 sec; at full load		
	HOLD UP TIME	>25 mS at 12V & >16 mS at 14V @ 115/230 VAC, Full Load	>25 mS at 24V & >16 mS at 28V @ 115/230 VAC, Full Load	>25 mS at 48V & >16 mS at 56V @ 115/230 VAC, Full Load
	RISE TIME	<100 ms		
INPUT	VOLTAGE RANGE	90 - 264V AC 127 - 370V DC De-rate output power linearly below 100VAC from 100% at 100VAC to 90% at 90VAC		
	FREQUENCY RANGE	50/60 Hz		
	POWER FACTOR	>0.95 @ Full load over entire input range		
	EFFICIENCY @ 230V AC	>90 %	>93 %	>93 %
	AC CURRENT	2.4A @ 115V AC; 1.2A @ 230V AC		
	INRUSH CURRENT	<60 Amps; Measured at 264V AC, 25°C Ambient, Cold start		
	LEAKAGE CURRENT	< 1 mA; 264Vac input		
PROTECTION	OVERLOAD	110% to 140% of rated output current; Hiccup type; Autorecovery		
	OVERVOLTAGE	16V DC ±0.5V DC	31V DC ±0.5V DC	60V DC ±1V DC
	OUTPUT SHORT CIRCUIT	Latched type; Input AC power to be recycled to recover the power supply		
	OVER TEMPERATURE	Hiccup mode when output is shorted; Autorecovery type. The power supply shuts down when the temperature of PCB below PFC choke reaches typically 120°C. It recovers automatically when temperature falls to typically 90°C		
FUNCTION	DC OK SIGNAL	Contact closes @ 11.5V (typ.) Contact opens @ 11.0V (typ.)	Contact closes @ 23.0V (typ.) Contact opens @ 22.5V (typ.)	Contact closes @ 46.0V (typ.) Contact opens @ 45.0V (typ.)
		Contact Rating : 30Vdc 1A; 60Vdc 0.5A; 125Vac 0.5A; resistive load, min. current 1mA		
ENVIRONMENT	OPERATING TEMP	-25°C to +70°C; De-rate linearly above 50°C from 100% load at 50°C to 50% load at 70°C		
	STORAGE TEMP	-40°C to +85°C		
	COOLING	Natural convection cooled		
	HUMIDITY	5 to 95% RH, Non condensing		
	ALTITUDE	2000m		
	VIBRATION	Component : 10 ~ 500Hz, 2G 10min. / 1 cycle, period for 60min. each along X, Y, Z axes		
SAFETY & EMC	DIELECTRIC WITHSTAND VOLTAGE	I/P to Earth : 2500V AC I/P to O/P : 4000V AC O/P to Earth : 1500V AC O/P to DC-OK : 500V A		
OTHERS	DIMENSION	50*136*135mm (W*H*D)		
	WEIGHT	645 gms		
	MOUNTING	35 mm DIN rail		

Terminal connections



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	Level 3, Criteria A
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	CLASS 3, Criteria A & B
TUV	Designed to meet IEC62368-1	
Safety	IEC62368-1	PASS

Ordering information

Product Code	Description	Certification
RPS240-12-CE	240W, 12V/15A DIN rail mounted Power Supply in Plastic Housing	CE
RPS240-24-CE	240W, 24V/10A DIN rail mounted Power Supply in Plastic Housing	CE
RPS240-48-CE	240W, 48V/5A DIN rail mounted Power Supply in Plastic Housing	CE