## RPS15 | INDUSTRIAL POWER SUPPLIES |





## 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

1. Output Voltage: 05: 5 V

12 : 12 V

24 : 24 V

Certification : C € No.HS

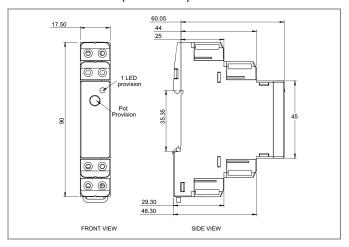
#### **SPECIFICATIONS:**

MODEL		RPS15-05-CE	RPS15-12-CE	RPS15-24-CE
OUTPUT	NOMINAL DC VOLTAGE	5 V	12 V	24 V
	RATED CURRENT	2.4 A	1.25 A	0.63 A
	CURRENT RANGE	0 – 2.4 A	0 – 1.25 A	0 – 0.63 A
	RATED POWER	12 W	15 W	15 W
	RIPPLE & NOISE (max)	< 1.5 % of Vout	< 1 % of Vout	< 1 % of Vout
	VOLTAGE ADJ. RANGE	4.5 to 5.5 V	12 to 14 V	24 to 28 V
	VOLTAGE TOLERANCE	±1%		
	LINE REGULATION	± 1 %		
	LOAD REGULATION	±1%		
	TURN ON TIME	<1 sec, full load		
	HOLD UP TIME	30 ms @ 230 VAC & 10 ms @ 115 VAC, full load		
	RISE TIME	< 100 ms		
	VOLTAGE RANGE	90 - 264 VAC / 127 - 370 VDC		
	FREQUENCY RANGE	50 / 60 Hz		
INPUT	EFFICIENCY @ 230V AC	Up to 76%	Up to 80%	Up to 82%
INPUT	AC CURRENT		0.3 A @ 115 VAC; 0.15 A @ 230 VAC	
	INRUSH CURRENT	< 30 Amps; Measured at 264 VAC, 25°C Ambient, Cold start		
PROTECTION	OVERLOAD	110 % to 150 % of rated output current; Hiccup type, Autorecovery		
PROTECTION	OUTPUT SHORT CIRCUIT	Hiccup mode when output is shorted; Autorecovery type.		
	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.		
ENVIRONMENT	STORAGE TEMP	-40°C to +85°C		
	COOLING	Natural Cooling		
	HUMIDITY	5 to 95 % RH, Non condensing		
	ALTITUDE	2000 m		
	VIBRATION	Component : 10 ~ 500 Hz, 2 G 10 min./ 1 cycle, period for 60 min. each along X, Y, Z axes		
	SAFETY STANDARDS	Designed to meet IEC 62368-1		
SAFETY & EMC	DIELECTRIC WITHSTAND VOLTAGE	I/P to O/P : 4000 VAC		
	CONDUCTED EMISSION	CISPR32 ; Class B		
	RADIATED EMISSION	CISPR22 ; Class A		
	DIMENSION	17.5 mm x 90 mm x 65 mm (W x H x D)		
MECHANICAL	WEIGHT	< 100 gms		
	MOUNTING	35 mm DIN Rail		

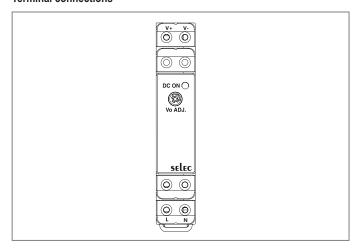
# RPS15 | INDUSTRIAL POWER SUPPLIES \_\_\_\_ SELEC



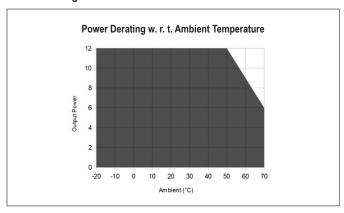
## Mechanical Dimensions (All are in mm)



#### **Terminal connections**



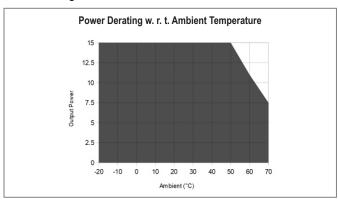
## Power derating w.r.t Ambient for 5V



## Compliance

Applicable EMI / EMC Standards					
Product Standard					
Category	Reference Standards	Testing Level			
Conducted Emission	CISPR32	CLASS B			
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	Criteria A & B			
Safety	Designed to meet IEC62368-1				

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



## **Ordering information**

Product Code	Description	Certification
RPS15-05-CE	12 W, 05 V / 2.4 A DIN rail mounted Power Supply in Plastic Housing	CE ROHS
RPS15-12-CE	15 W, 12 V / 1.25 A DIN rail mounted Power Supply in Plastic Housing	CE ROHS
RPS15-24-CE	15 W, 24 V / 0.63 A DIN rail mounted Power Supply in Plastic Housing	CE North

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