

Specification Sheet PSU-9371-02

Redundancy module U_{in} 12V to 48V DC



- Compact size with optimized aeration
- Simple mounting and wiring
- U_{in} 12 to 48V
- T_a up to +70°C

Input:

Rated voltage:	12 - 48V DC
Operational voltage:	6 – 60V DC
Input current:	≤ 10,0A
Fuse:	No fuse. Protection has to be fulfilled by the upstream power supplies.

Reliability:

Load life of capacitors:	All electrolytic capacitors are dedicated 105°C long life types with at least 50.000 hours load life @ $T_A = 50^\circ\text{C}$ (Ambient temperature of power supply)
Safety and functional testing:	100% factory tested

Output: U1

Output voltage DC:	according U_{in}
Voltage drop $U_{in} \rightarrow U_{out}$:	300mV
Output current (max.):	16A
Output current (min.):	0A
Power loss (max.):	6W
Ripple voltage:	according U_{in}

Safety:

Output:	according U_{in} : Safety extra low voltage (SELV) EN 60950
Protection class:	II
Enclosure type:	IP 20

Operating Conditions:

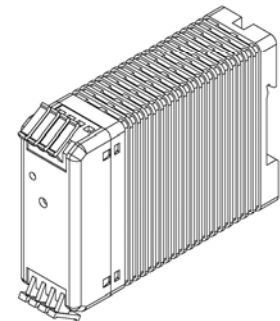
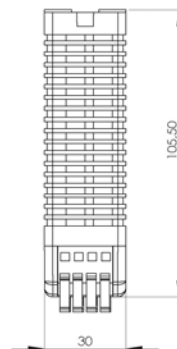
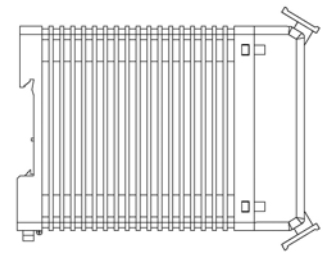
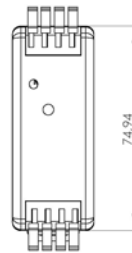
Operating temperature:	-10°C to +70°C, without forced air cooling
Storage temperature:	-25°C to +85°C
Humidity:	max. 95% r.H., no condensation

Protection and Monitoring:

Operating indicator:	Yes, green LED on front side.	
Indication:	flashing:	Only one input connected. Output voltage present
	permanent:	Both inputs connected. Output voltage present
Overvoltage / Overtemp. protection and current limit.	Protection has to be fulfilled by the upstream power supplies.	

Dimensions: DIN Rail Power Supply In Plastic Housing

AC mains on bottom of front cover, output on top.



Dimensions (D x W x H):	105.5 x 30 x 75 mm
Weight:	ca. 150 Gramm
Wiring:	Spring clamp terminals. No tools required. Safe contact without maintenance. Input: IN1 (+/-) / IN2 (+/-) at bottom Output: 2 x Plus / 2 x GND at top
Cross section of wires	
Stranded wire:	0.3...2.5mm ² (AWG22 – 14)
Solid wire:	0.3...4mm ² (AWG22 – 12)
Mounting:	Snap-on element for fixing on DIN rail according to EN 50022-35. Use rails TS35/7.5 or TS35/15 Tight fixing on DIN rail.

All information meet the technical design at time of printing and were therefore not binding. inpotron reserves the right for changes at any time and without giving any information.