

## Switchmode Power Supply PSU48-240



- 48VDC high efficiency switchmode supply
- Full range AC input. 110-240VAC, 50/60Hz
- High efficiency, low working temp.
- Built in EMI filter, low ripple noise
- Power on LED indication
- Compact size, light weight
- 100% full load burn-in test - high reliability
- Short circuit/ over load/ over voltage/ temp. protection

- Convection cooled
- Installed on DIN rail TS35/7.5 or 15
- PFC 0.98@115VAC; 0.95@230VAC
- Approvals: UL/CUL/TUV/CE
- Unsurpassed quality/price ratio
- ISO-9001 certified production
- Measures HxWxD, 126x126x100

The Power supply PSU48-240 is a modern switchmode supply that is particularly well suited for supplying the range of integrated MAC motors with 48 Volts DC.

The Power supply can deliver up to 5A and can thereby drive all the MAC motors, MAC50, 95 and 140.

It offers a high efficiency and a very low ripple noise, and includes a complete range of protection facilities.

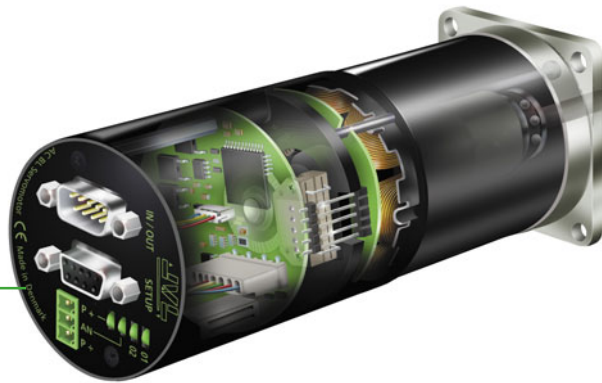
PSU48-240 is designed for direct installation on DIN rails as commonly used in control cabinets.



# Switchmode Power Supply PSU48-240



PSU48-240 Power Supply



## Integrated ac-servo motor MAC50, 95 or 140

Several MAC motors can be supplied from the same power supply. Please consult the Power Supply Chapter in the MAC motor Manual for further details.

## Specifications

### Input voltage:

85–264VAC; 120–370VDC

### Input frequency:

47–63Hz

### Inrush current:

Cold start, 30A/115V, 60A/230V

### Output:

48V, 5A  $\pm$ 1% (Output voltage adjustable +10%)

### R&N: 150mV

### Efficiency:

85%

### Overload protection:

105%–150% output constant limiting

### Over voltage protection:

120–150% of rated O/P voltage

### Setup, rise, hold up time:

1000ms, 60ms, 50ms@230VAC

### Withstand voltage:

I/P–O/P: 3kV, I/P–FG: 1.5kV. 1min.

### Working temp.:

–10–55°C@100%, 70°C@70%

### Safety standard:

UL508, TUV EN60950

### EMC standards:

EN55022 class B, EN61000–3–2,3, EN61000–4–2,3,4,5,6,8,11, ENV50204

### Connection:

4P/9.5mm pitch screw terminal

### Dimensions: (HxWxD)

126x126x100mm

**Weight:** 0.55kg



JVL Industri Elektronik A/S  
Blokken 42  
DK-3460 Birkerød, Denmark  
Tel: +45 4582 4440  
Fax: +45 4582 5550  
E-mail: jvl@jvl.dk www.jvl.dk