

# PSM2410B



Input: two-phase 400 - 480 Vac

Output: One output 10 A - 24 Vdc

Strong overload without switch-off

Short-circuit protection

Over-voltage protection

IP20

DIN Rail Mountable

Extremely small size

## Features

### Input Data

Input Rated Voltage (2 x Vac)	<b>400 – 480 Vac</b>
Rated Voltage range	<b>360 ÷ 530 Vac</b>
Inrush Current (Vn – In)	<b>≤ 17 A ≤ 5 msec.</b>
Frequency	<b>47 ÷ 63 Hz</b>
Input Current (Input Rated Voltage)	<b>1 – 0.85 A</b>
Internal Fuse	<b>F 4 A</b>
External Fuse (recommended)	<b>Fast 4 A</b>

### Output Data

Output Voltage (Vn) / Nominal Current (In)	<b>24 Vdc ±3% / 10A</b>
Adjustment range (Vadj)	<b>22 ÷ 26 Vdc</b>
Start up with Strong Load (capacitive load)	<b>≤ 30.000µF</b>
Switching on delay applying mains voltage	<b>2.5 sec. (max)</b>
Max. Continuous Current	<b>1.1 x In ± 5%</b>
Reserve Out Current (max. 1 min. 50 °C)	<b>I<sub>max</sub>=I<sub>n</sub>+25% approx.</b>
Hold-up Time (at 100 – 240 Vac)	<b>Typ. 27 msec</b>
Residual Ripple	<b>≤ 60 mV<sub>pp</sub></b>
Minimum Load	<b>No</b>
Efficiency	<b>≥ 89 %</b>
Short-circuit protection (hiccup mode)	<b>Yes</b>
Over Load protection (hiccup mode)	<b>Yes</b>
Over Voltage Output protection	<b>Yes (max 35 Vdc)</b>
Parallel connection	<b>Yes</b>

### Climatic Data

Ambient Temperature (operation)	<b>-10 ÷ +70 °C</b> <b>(&gt;50°derating)</b>
Ambient Temperature (Storage)	<b>-25 ÷ +85 °C</b>
Humidity; no moisture condensation	<b>95 % to 25 °C</b>

### General Data

Isolation Voltage (Input/Output)	<b>3000 Vac</b>
Input / ground isolation PE	<b>1605 Vac</b>
Output / ground isolation PE	<b>500 Vac</b>
Degree of protection	<b>IP 20</b>
Protection class	<b>I with PE connected</b>
Dimension (w-h-d)	<b>132x118x135 mm</b>
Weight	<b>1.15 kg approx.</b>

### Norms and certifications

According to EMC 89/336/EEC and Low voltage 93/68/EEC

### Electrical Safety

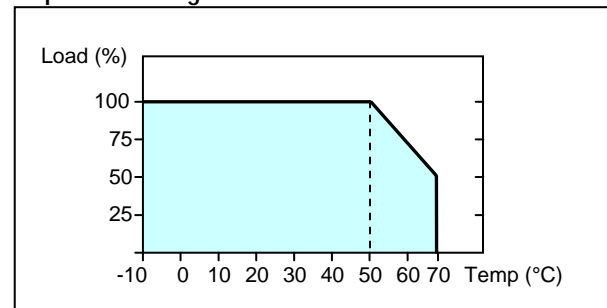
According to IEC/EN 60950 (VDE 0805) e EN 50178 (VDE 0160) for assembling device. The unit must be installed according to IEC/EN 60950.

### Generic

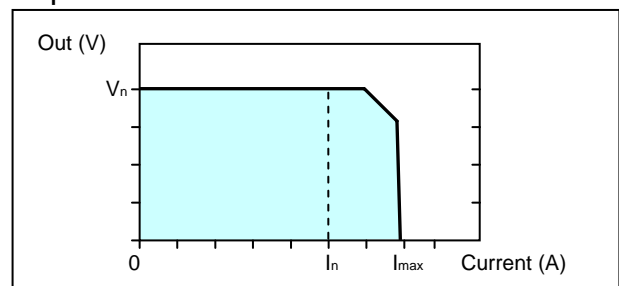
Immunity according to EN50082-2 Level 4 Class B

Noise Radiation according to EN 55011

### Output Derating Curve



### Output Characteristic Curve U/I



### Dimensions

