

PST2440B



- Input: three-phase 400 - 480 Vac
- Output: One output 40 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 (3 x Vac)	400 – 480 Vac
Rated Voltage range	360 ÷ 530 Vac
Inrush Current (Vn – In)	≤ 10 A ≤ 5 msec.
Frequency	47 ÷ 63 Hz
Input Current (Input Rated Voltage)	1.7 – 1.5 A
Internal Fuse	F 6.3 A
External Fuse (recommended)	Fast 6 A

Output Data

Output Voltage (Vn) / Nominal Current (In)	24 Vdc ±3% / 40A
Adjustment range (Vadj)	22 ÷ 26 Vdc
Start up with Strong Load (capacitive load)	≤ 30.000µF
Switching on delay applying mains voltage	≤ 1 sec. (approx.)
Max. Continuous Current	1.1 x In ± 5%
Reserve Out Current (max. 1 min. 50 °C)	I_{max}=I_n+25% approx.
Hold-up Time (at 100 – 240 Vac)	Typ. 27 msec
Residual Ripple	≤ 100 mV_{pp}
Minimum Load	No
Efficiency	≥ 86 %
Short-circuit protection (hiccup mode)	Yes
Over Load protection (hiccup mode)	Yes
Over Voltage Output protection	Yes (max 35 Vdc)
Parallel connection	Yes

Climatic Data

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

General Data

Isolation Voltage (Input/Output)	3000 Vac
Input / ground isolation PE	1605 Vac
Output / ground isolation PE	500 Vac
Degree of protection	IP 20
Protection class	I with PE connected
Dimension (w-h-d)	250x150x160 mm
Weight	4.4 kg approx.

Norms and certifications

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

Electrical Safety

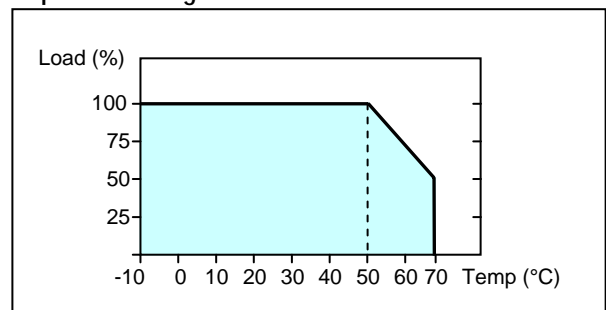
According to IEC/EN 60950 (VDE 0805) e EN 50178 (VDE 0160) for assembling device. The unit must be installed according to IEC/EN 60950.

Generic

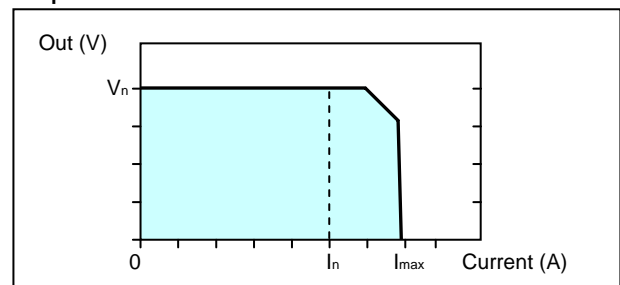
Immunity according to EN50082-2 Level 4 Class B

Noise Radiation according to EN 55011

Output Derating Curve



Output Characteristic Curve U/I



Dimensions

