

RISH PST 2430B



Input: three-phase 400 - 480 Vac

Output: One output 30 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) | 1.35 – 1.2 A |
| Internal Fuse | 6.3 A |
| External Fuse (recommended) | Fast 6 A |

Output Data

| | |
|---|---|
| Output Voltage (Vn) / Nominal Current (In) | 24 Vdc ±3% / 30A |
| Adjustment range (Vadj) | 22 – 26 Vdc |
| Start up with Strong Load (capacitive load) | ≤ 30,000µF |
| Switching on delay applying mains voltage | ≤ 2.5 sec. (max.) |
| 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°C Derating) |
| Ambient Temperature (Storage) | -25°C – +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 | 4.2 kg approx. |

Norms and certifications

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

Electrical Safety

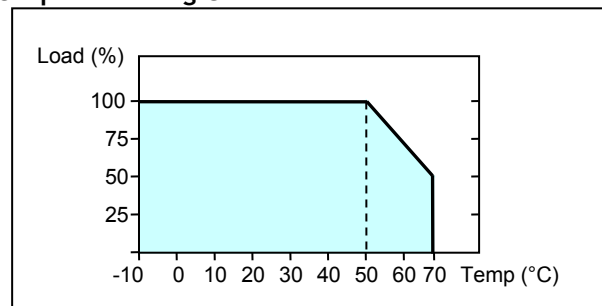
According to IEC/EN 60950 (VDE 0805) e EN 50178 (VDE 0160) for assembling device. The unit must be installed according to IEC/EN 60950.

Generic

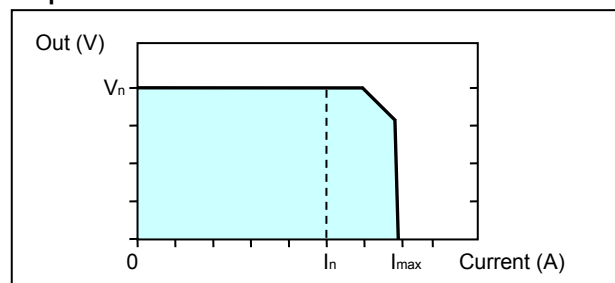
Immunity according to EN50082-2 Level 4 Class B

Noise Radiation according to EN 55011

Output Derating Curve



Output Characteristic Curve U/I



Dimensions

