

Q.PS-AD2-2410, Single phase power supply

- Input: single-phase 115 - 230 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

| | |
|-------------------------------------|----------------|
| Code | Q.PS-AD2-2410 |
| Input Rated Voltage (2 x VAC) | 230 VAC |
| Rated Voltage range | 187 ÷ 264 VAC |
| Inrush current (Vn – In) | ≤14 A ≤ 5 msec |
| Frequency | 47 ÷ 63 Hz |
| Input current (input rated voltage) | 3.5 A max. |
| Internal Fuse | F 6.3 A |
| External Fuse (recommended) | Fast 6 A |

Output Data

| | |
|---|---|
| Output Voltage (In) | 24 VDC ±3% / 10 A |
| Adjustment range (V _{adj}) | 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 I _n ± 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 | ≤ 60 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 ÷ + 85 °C |
| Humidity; no moisture condensation | 95 % at +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) | 132x118x135 |
| Weight | 1.15 kg approx. |

Norms and certifications

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

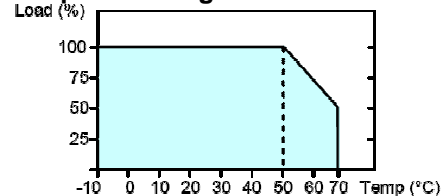
Electrical Safety

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

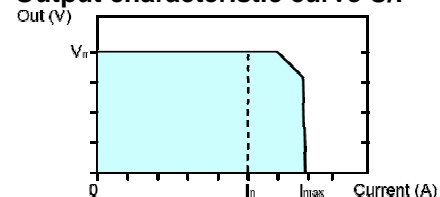
Generic

Immunity according to EN50082-2 Level 4 Class B
Noise Radiation according to EN 55011

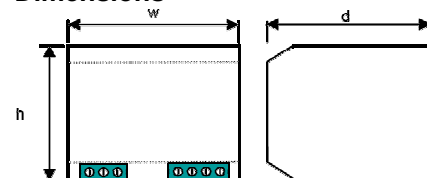
Output derating curve



Output characteristic curve U/I



Dimensions



Saia-Burgess Controls AG

Bahnhofstrasse 18, 3280 Murten, Switzerland
 T +41 (0)26 672 71 11, F +41 (0)26 672 75 05
 www.saia-cc.com

All specifications are subject to change without notice
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