

■ DATASHEET: LP411210



■ INPUT

| | |
|---------------------------------|-----------------------------------|
| Input rated voltage (2xVac) | 115 – 230Vac |
| Rated voltage range (115/230) | 90 – 135 (115) 180 – 264 (230) |
| Frequency | 47 – 63Hz ± 6% |
| Input current (115Vac – 230Vac) | 2,8 – 1,3A |
| Inrush current (Vn – In) | ≤ 11A ≤ 5msec. |
| Internal fuse | T 4A |
| External fuse (recommended) | 10A (MCB curve B) |

■ OUTPUT

| | |
|---------------------------------------|---|
| Output voltage (Vn) (factory setting) | 12Vdc |
| Adjustment range (Vadj) | 10 – 14Vdc |
| Start up with capacity load (max.) | ≤ 50.000µF |
| Continuous current at 24V < 40°C | 14A (permanent) |
| Continuous current at 24V < 50°C | 12A (permanent) |
| Continuous current at 24V < 60°C | 10A (permanent) |
| Max. current | In @60°C x (1,8-2,2) |
| Residual ripple | ≤ 80mVpp |
| Efficiency | ≥ 91% |
| Holdup time | typ. 20msec. |
| Over temperature protection | YES. Shut down and automatic restart |
| Overload protection | YES |
| Over voltage protection | YES |
| Short-circuit protection | 1° Hiccup Mode, 2° Continuous mode, 3° Restart After Main |
| Parallel connection | YES |

■ CLIMATIC DATA

| | |
|------------------------------------|-----------------------------------|
| Ambient temperature (operation) | -25 - +70°C (>60°derating 2,5%°C) |
| Ambient temperature (storage) | -40 - +85°C |
| Humidity; no moisture condensation | 95% to 25°C |

GENERAL DATA

| | |
|----------------------------------|---|
| Isolation Voltage (Input/Output) | 3000Vac |
| Isolation Voltage (Input / PE) | 1605Vac |
| Isolation voltage (Output/PE) | 500Vac |
| Electrical safety | EN60950 / EN50178 / IEC60950 / SELV EN60950-1 / PELV EN 60204-1 |
| EMC Standards | Immunity: EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-6-2 Emission: EN61000-6-4 |
| Standards conformity | EN60204-1 (safety of electrical equipment machines) |
| Degree of protection | IP 20 |
| Protection class | I with PE connected |
| Reliability: MTBF IEC61709 | >500.000h |
| Auxiliary contact | Max. DC1: 30Vdc 1A; AC1: 60Vac 1A (min. 1mA at 5Vdc) |
| dimension (w-h-d) | 55 x 110 x 105 |
| weight | ~0,6kg |

acc. to EMC 89/336/EEC and EMC 93/68/EEC
low voltage directive 2006/95



- MANUAL RESET
- HICCUP MODE
- FOLD - BACK

Device does not start automatically.
LED "DC": Switch off when is in overload range.



- MANUAL RESET
- HICCUP MODE
- FOLD - BACK

Device starts automatically.
LED "DC": Switch off when is in overload range.
Should be used if you have special loads (e.g. capacity)



- MANUAL RESET
- HICCUP MODE
- FOLD - BACK

Device starts automatically.
LED "DC": Blink when is in overload range.
The device tries to start again after a short time, if it is a failure on the primary side.

DIMENSIONS

