

**POWER SUPPLY 1-PHASE, 24 V DC
PIANO, 5A**

PIC120.241C

Powersupply 230VAC 24VDC/5A DC OK

- Output current of 5 A
- Up to 90.5% efficiency
- Only 39 mm wide
- Very affordable
- DC OK relay output

**PRODUCT DESCRIPTION**

Pulse Piano Series is very compact unit that meets the essential industrial demands of today's applications. With the excellent relationship between price and performance gives Piano Series new opportunities without compromising on quality or reliability.

Life expectancy is remarkably high compared to similar products on the market. The long lifetime is achieved through the efficient and sophisticated thermal design, but also through the sole use of detailed quality components. The unit has a MTBF values over 1.7 million hours and a service life of 47,000 hours at 40 ° C.

The powerful house of molded polycarbonate with a clever circuit design and low weight gives great advantages in shock- and vibration-rich environments. In addition, the units very little space in the cabinet and gives a stylish impression.

PIC120.241C the DC-OK relay outputs for status indication of 24 V DC.

Many industrial applications require no more clamping alternative, the reduction of the input voltage is only 230 V AC circuits simplifies and gives significant cost advantages.

A global version of the 115/230 V AC is available, PIC120.241D, for applications where multi voltage required.

TECHNICAL DATA**INPUT DATA**

| | |
|---|-----------|
| Input voltage ac | 200-240 V |
| Input voltage ac min | 180 V AC |
| Input voltage ac max | 264 V AC |
| Number of phases | 1 |
| Inrush current at 230 V ac typical | 28 A |
| Power factor at 230 V ac, full load. Typical | 0,54 |

OUTPUT DATA

| | |
|--------------------|---------|
| Output voltage min | 24 V DC |
| Output voltage | 24 V DC |
| Output voltage max | 28 V DC |
| Power | 120 W |
| Output current | 5 A |

EFFICIENCY / LIFETIME / MTBF

| | |
|---|-----------|
| MTBF (IEC 61709) 230 V ac, max load, 40 ° C | 1720000 h |
| Efficiency at 230 V ac, full load, typical | 90,5 % |
| Efficiency at 230 V ac, typical | 89,5 % |
| Lifetime at 230 V ac, full load and +40 ° C | 47000 h |

DIMENSIONS

| | |
|--------|---------|
| Weight | 0,35 kg |
| Depth | 124 mm |
| Width | 39 mm |
| Height | 124 mm |

OTHER

| | |
|---|---|
| Series connection for increased voltage | Yes |
| IP class | IP20 |
| Cable connection | Screw max 6 mm ² solid, 4 mm ² stranded |
| Ripple max | 100 mV pp |
| Power drop from +60 °C to +70 °C | 3 W/°C |
| PFA (EN61000-3-2) | Fulfilled (Class A) |
| Transient | VDE 0160 (750 V, 1,3 ms) |
| Parallel connection for increased current | Not allowed |
| Clamp type | Screw |
| Temperature min without derating | -10 °C |
| Load regulation | <150 mV (0-5 A) |
| Series | Piano |
| Hold time at 230 V ac, typical full load | 33 ms |
| Power consumption 230 V ac | 1,06 A |
| Supply frequency | 50-60 ±6 % |
| Primary fuse | Min 10A B type or 6A C type |
| Approvals | CB, CE, cRUus, cULus, GL |

| | |
|----------------------------------|---------------|
| Temperature max without derating | 55 °C |
| Material protection | Polycarbonate |
| Type Power Supply | AC-DC |
| DC relay output | Yes |

