Single phase, primary switched mode power supply, PCB assembly

PP-0105-008-0

Advantages

- Stabilised output voltage
- Low idling losses
- Wide-range input voltages
- Short-and open-circuit proof
- Thermal overload switch-off
- Low ripple factor

Applications

Switching power supply with excellent efficiency and low no-load losses for direct soldering to the PCB. Provides an extremely space-saving design of various applications.

Standards

Primary switched mode power supply
to UL 60950, UL 508

Safety:
EN 61558-2-16, EN 60950-1

EMC:
EN 61204-3

Approvals

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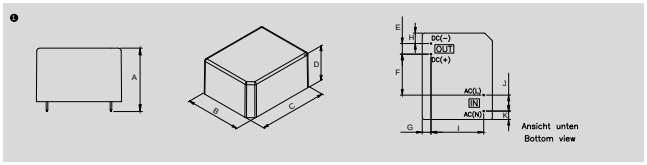
Electrical data

Type	PP-0105-008-0
Input	
Input rated voltage	100 - 240 Vac
Input voltage range	85 - 264 Vac (120 - 373 Vdc)
Input voltage derating	-3 %/Vac < 100 Vac
Switch-on time	16 ms
Recommended primary preliminary fuse	2 A (delay)
Rated frequency range	44 Hz - 66 Hz / 0 Hz
Input rated current (rated load)	96 mA / 54 mA (100 / 230 Vac)
Power factor	0.45
Starting current limiter	< 7.5 A
Mains buffering	14 / 82 ms (100 / 230 Vac)
Output	
Output rated voltage	5.0 Vdc ±2%
Power dissipation, no load/rated load	83 mW / 1.65 W
Over-voltage-protection	typ. 7.5 Vdc
Output rated current	0.80 A
Efficiency	typ. 71 %
Ripple factor	200 mVss (Ripple + Noise)
Output limited current	typ. 1.2 - 1.8 x Inenn
Environment	
Ambient temperature	-25 °C to +50 °C
Storage temperature	-25 °C to +85 °C
Derating	-3 %/K > +40 °C
Cooling method	natural convection
Safety and protection	
Protection index	IP 00
Safety class	II, without PE connection
Resistance to reverse feed max.	6.3 Vdc
Order numbers	
Order Number	**PP-0105-008-0**

Mechanical data

Type	PP-0105-008-0
Input	
Terminals Input	Pins for printed circuit boards
Output	
Terminals Output	Pins for printed circuit boards
Terminal and mounting	
Mounting position	selectable
Measures and weights	
Dimensions W x H x D	41 x 21 x 33
Weight	0.04 kg



Subjects to change.