

Switchmode Power Supplies

UP Series

Conforms to IEC 61558, 60950, 60335



Applications

- Safety technology
- Water taps
- Shutter control
- Door opener
- LED applications

Characteristics

- Universal input 100 to 240 V AC
- Constant voltage, current limited
- Low standby power
≤ 0.3 Watts
- High output power
- Continuously short circuit proof
- Compact design
- IP 64 protection class

Technical data

Input voltage

100 to 240 V AC (± 10%)

Input current

150 mA (UP 6)

Frequency

50 to 60 Hz

Efficiency

75 % typ. at full load

EMC

Conforms to EN 55011, 55014, EN 55022/B, EN 55024, FCC 41 part 15, EN 61000-3-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, ± 5%

Output voltage tolerance

Environmental specification

Operating temperature

0 to 40° C at maximum load

Storage temperature

-20 to 70° C

Humidity

5 % to 95 % non condensing

Input transient susceptibility

Complies with IEC 61000 requirements

Safety specification

Standards

Fulfills Class II SELV for the following applications: EN 60950/IEC 60950, UL 60950, VDE, CE label

Reliability specification

MTBF calculation

200.000 hours at maximum load and an ambient temperature of 25° C (in accordance with MIL-HDBK-217)

Mechanical specification

Weight approx.

95 g (UP 6), 95 g (UP 12), 130 g (UP 18)

Plug connector

AC input: 150 mm cable
DC output: 150 mm cable

Optional – upon request:

customer specific output voltages
customer specific cable length

UP 6



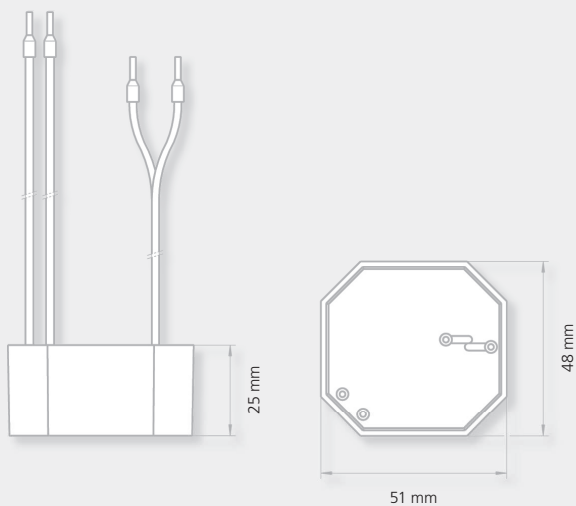
UP 12



UP 18

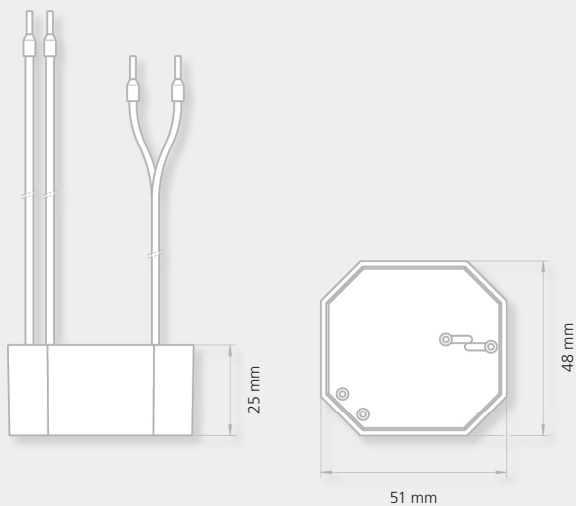


6 Watts



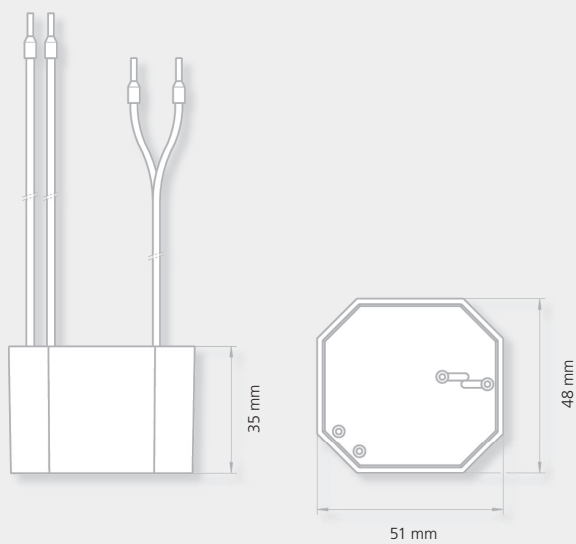
Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
4 V	1300 mA	300 mV pp	1891505
6 V	1000 mA	300 mV pp	1891506
9 V	660 mA	300 mV pp	1891507
12 V	500 mA	300 mV pp	1891508
15 V	400 mA	300 mV pp	1891509
18 V	330 mA	300 mV pp	1891510
24 V	250 mA	300 mV pp	1891511
available 2009			

12 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
12 V	1000 mA		
24 V	500 mA		
available 2009			

18 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
12 V	1500 mA		
24 V	750 mA		
available 2009			