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Switchmode Power Supplies

DT Series

All products conform to IEC 60950

Applications

- Audio
- Bluetooth/WLAN
- Digital cameras
- Communication accessories
- Measurement and weighing technology
- MPEG Player
- Modems DSL, ADSL, VDSL
- Safety technology
- Laboratory equipment

Characteristics

- Universal input 100 to 240 V AC
- Constant voltage, current limited
- Low leakage current
- Low standby power ≤ 0.5 Watts
- Continuously short circuit proof

Technical data

Input voltage

100 to 240 V AC ($\pm 10\%$)

Input current

300 mA (DT 12)
1600 mA (DT 60)

Frequency

50 to 60 Hz

Efficiency

75% typ. at full load

EMC

Conforms to EN 55011,
EN 55022/B, FCC 47 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
 $\pm 5\%$

Output voltage tolerance

Environmental specification

Operating temperature

0 to 40° C at maximum load

Storage temperature

-10 to 70° C

Humidity

10% to 95% non condensing

Input transient susceptibility

Complies with IEC 61000 requirements

Safety specification

Standards

Fulfils Class II SELV for the following applications: EN 60950/IEC 60950, UL 60950, CSA 950 (cUL), 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.

135 g (DT 12)
260 g (DT 60)

Plug connector

AC input:
2-pole IEC 320, C8-socket
DC output:
Universal output plug system (page 30)

For power cords see page 30

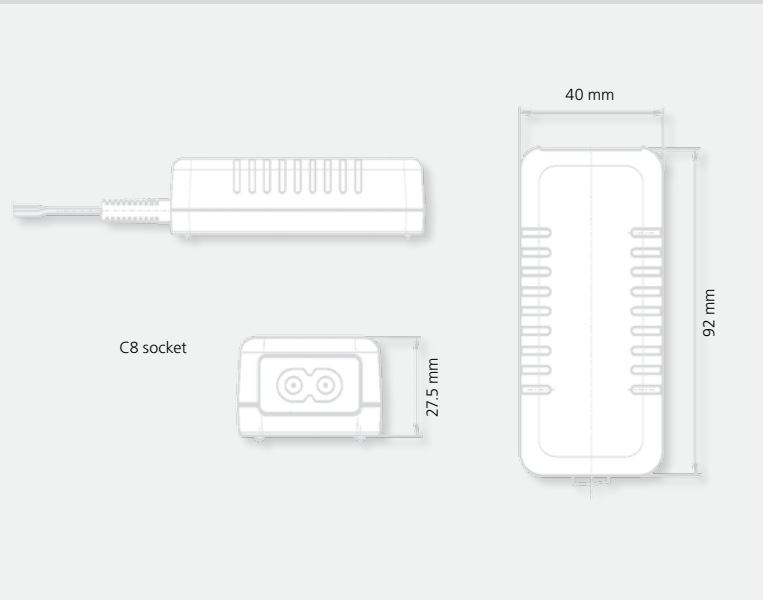
DT 12 FW 7401



DT 60 DT 60

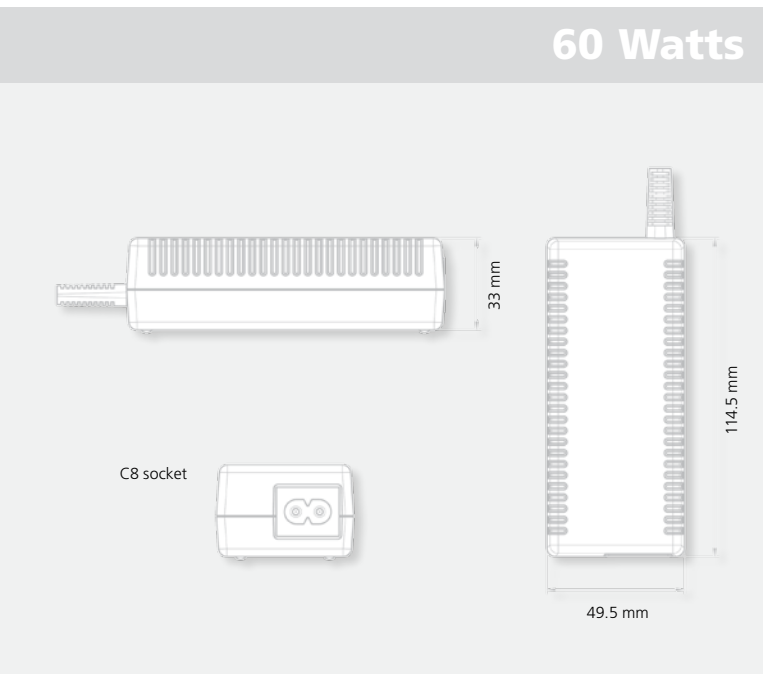


12 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
5 V	2000 mA	120 mV pp	1890577
6 V	1700 mA	120 mV pp	1890578
7.5 V	1400 mA	115 mV pp	1890579
9 V	1200 mA	135 mV pp	1890581
12 V	1000 mA	180 mV pp	1890580
15 V	800 mA	112 mV pp	1890584
18 V	660 mA	135 mV pp	1890583
24 V	500 mA	300 mV pp	1890582
48 V	250 mA	480 mV pp	1812311

60 Watts



Output data			Worldwide
Voltage	Current	Ripple Voltage	Order No.
12 V	5000 mA	250 mV pp	1830993
15 V	4000 mA	250 mV pp	1830994
18 V	3300 mA	250 mV pp	1830995
24 V	2500 mA	250 mV pp	1831363