FRIWO®

Switchmode Power Supplies

DT Series

All products conform to IEC 60950

DT 12 FW 7401

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

DT 60 DT 60

Technical data

Input voltage	100 to 240 V AC (± 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
Output voltage tolerance	± 5 %

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

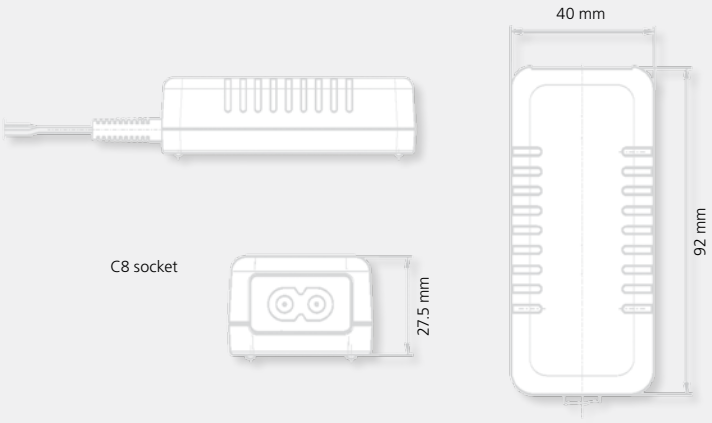
MTBF calculation	200,000 hours at maximum load and an ambient temperature of 25° C (in accordance with MIL-HDBK-217)

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)

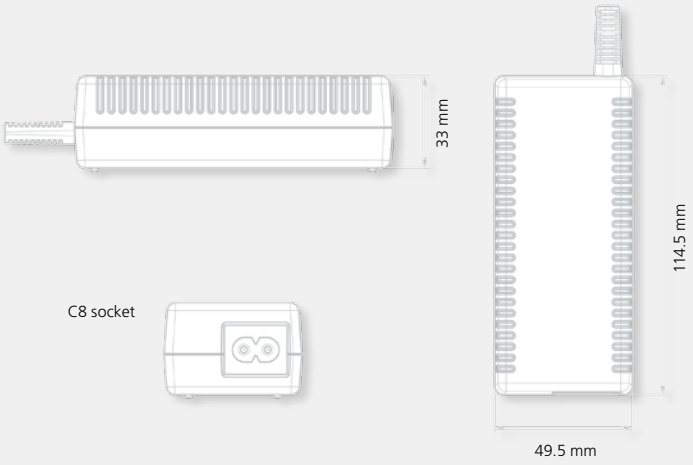
For power cords see page 30

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**