

# Switchmode Power Supply

## DT 12

Conforms to IEC 60950

### Applications

- Office equipment
- Data transmission devices
- IT equipment
- Measurement and weighing technology

### Characteristics

- Universal input 100 to 240 V AC
- EMC conformity
- High performance
- Constant voltage, current limited
- Compact desktop unit
- Low leakage current  $\leq 10 \mu\text{A}$
- Low standby power  $\leq 0.5 \text{ Watts}$
- Continuously short circuit proof



12 Watts

### Technical data

#### Input voltage

100 to 240 V AC

#### Input current

300 mA

#### Frequency

50 to 60 Hz

#### Efficiency

80% typ. at full load

#### EMC

Conforms to EN 55011, EN 55014, 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

$\pm 5\%$

### Environmental specification

#### Operating temp.

0 to 40° C at maximum load

#### Storage temp.

-10 to 70° C

#### Humidity

5% 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 levels and an ambient temperature of 25° C (in correspondence with MIL-HDBK-217)

### Mechanical specification

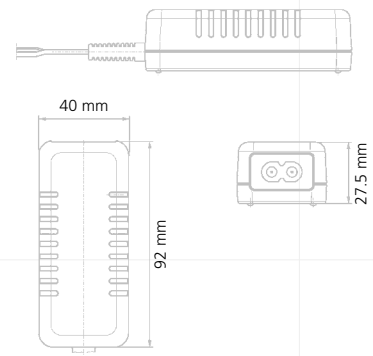
#### Weight approx.

135 g

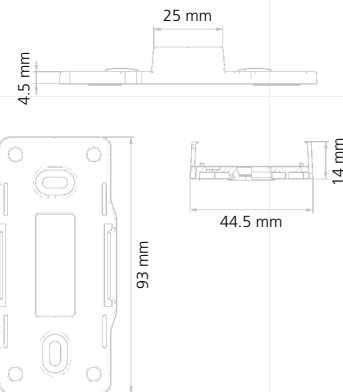
#### Plug connector

AC input: 2 pin IEC 320, C8 input socket  
DC output: Universal output plug system

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Wall fastening (optional)

Output data			Worldwide
Voltage	Current	Ripple Volt.	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
Wall fastening			1813578