

# Safe V2.3 Datasheet

## Safe:

### General:

Size: 400x300x200 mm

### Electrical characteristic:

Input voltage: 1 V

### Features:

- RGB lighting
- Acoustical theft protection

### Useful formulas:

$$\frac{U_{R_1}}{U_{R_{2,3}}} = \frac{R_1}{R_{2,3}}$$

$$R_{2,3} = \frac{R_2 \cdot R_3}{R_2 + R_3}$$

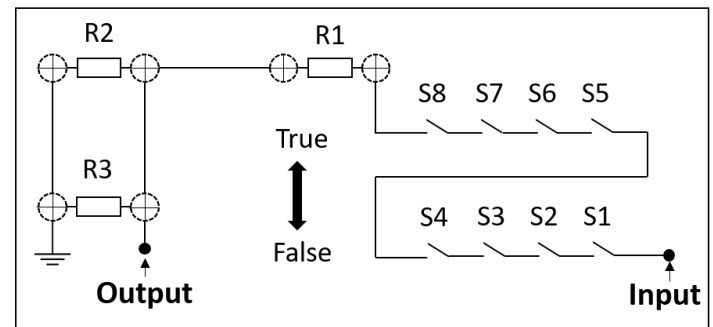
## Safe power supply:

### Electrical characteristics:

Input voltage: 5 V

Output voltage: configurable through resistors

### Layout:



### Configuration:

To establish a connection between input and output the switches have to be in the right position.

Following questions help to put the switches in the correct position:

- 1:  $\pi < e$
- 2:  $43 \cdot 3 + 4 = 133$
- 3:  $g \approx 9,81 \frac{m}{s^2}$
- 4:  $\text{distance}(\text{moon}, \text{earth}) > \text{distance}(\text{earth}, \text{mars})$
- 5:  $\text{Citizen of Freiburg} < 200000$
- 6:  $\text{Germany won soccer World Cup} > 3$
- 7:  $(\neg \text{True}) \cdot (\neg \text{False})$
- 8: 42

### Indication LEDs:

For the users feedback the indication LEDs will light up for the correct output voltage and switch position.