Technical Data Sheet for the 83106 and 83133 Micro-Switches

Index:

Note:  **Notes contain important information.**

Warning:  **Warnings indicate special methods or handling procedures which, if not followed properly, may result in serious injury.**

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Technical Data Sheet for the 83106 and 83133 Micro-Switches

1 *Underlying principle:*

The switch is a dual interrupting change-over switch.

WARNING: The two switching circuits of the micro-switch can only be used for switching identical potential!!!

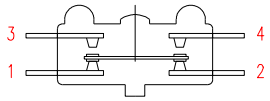

Illustration 1: Underlying principle

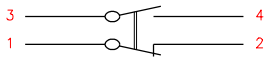

Illustration 2: Switch symbol

2 *Dimensions:*

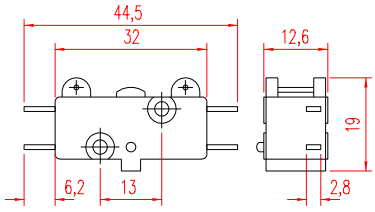

Illustration 3:Standard switch(83106)

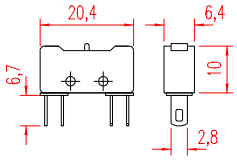

Illustration 4: Flashing switch (83133)

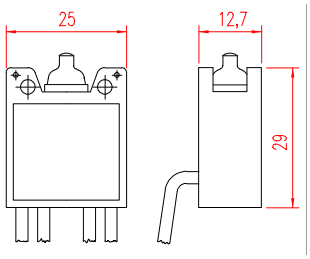

Illustration 5: Explosion-proof switch (83133).

3 *Load Capacity:*

Standard switch:

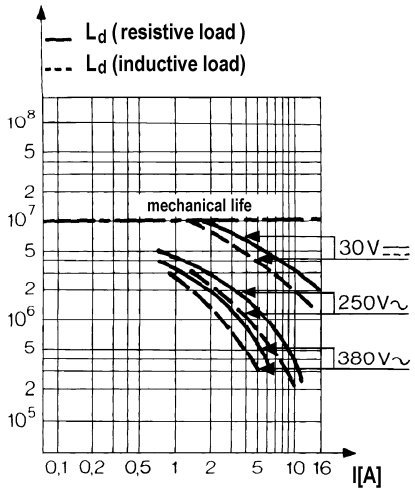

Illustration 6: Load capacity diagram (83106)

Mech. service life L_d ..... 10^7 switching cycles
Permissible ambient temp. .... -20...+85°C
Special models ..... -40...+125°C

Flashing switch and Explosion-proof micro-switch:

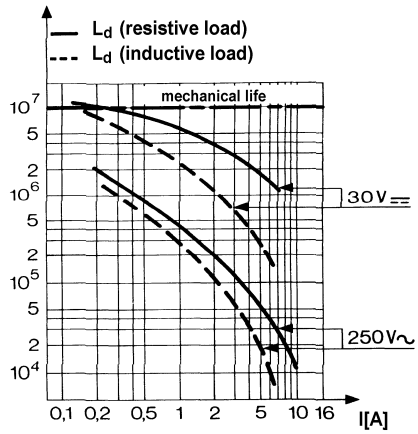

Illustration 7: Load capacity diagram (83133)

Mech. service life L_d ..... 10^7 switching cycles
Permissible ambient temp. .... -20...+125°C

For the ohmic load capacity, *cos ? = 1* shall apply. The inductive load capacity given is *cos ? = 0.8* and/or *L/R = 5ms*.

WARNING: The maximum switching current for micro switches with gold-plated contacts is 40 mA with a voltage of 24 V (ohmic load). If switching currents are too high, the gold-plating will be destroyed.