

# BASIC SENSITIVE MICROSWITCH

## TYPE 83 141 002 (-55 °C TO +150 °C)

### WITHOUT ACCESSORIES

This microswitch is notable for its excellent performance in a very compact space (13 x 10 x 5 mm). It is the basic element of our range of standard 1-pole, 2-pole, 3-pole waterproof Limit Switches, and special 4-pole Limit Switches.

The meticulous care taken in the manufacture of this microswitch in terms of assembly processes, cleanliness of components as well as inspection procedures, results in a product which is ideal for operation in severe environments where a high level of reliability is essential. It is particularly well suited to the Aerospace, Armaments, Marine sectors, etc.

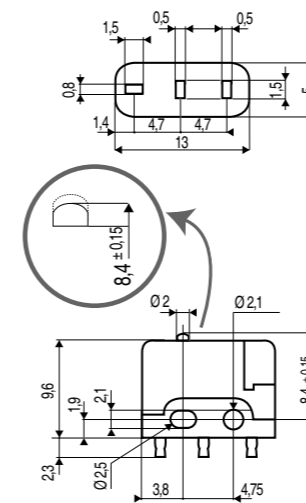
This microswitch, used in our 83 777 and 83 778 series limit switches, combines a reliable snap-action switching system with high resistance to shocks and vibrations, ideal for switching both very low level and high currents.

Characteristics	Under	Unit	Value
Nominal current	10 VDC	A	0.01
Resistive	30 VDC	A	4
	220 VAC	A	1
Inductive L/R = 0.005 s	30 VDC	A	2
	220 VAC	A	0.5
Service life at nominal current*		operations - min.	100 000
Operating temperature		°C	-55 to +150
Max. Operating force		N	2
Min. Release force		N	0.4
Max. Pre-travel		mm	0.5
Max. Differential travel		mm	0.08
Min. Overtravel		mm	0.1
Weight		g	1

\* Value for microswitch without auxiliary actuator

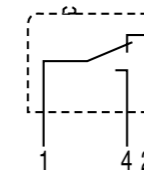
#### Dimensions (mm)

##### 01 Tripping point



#### Electrical diagram

##### Plunger in released position



#### Connections

##### Solder tags