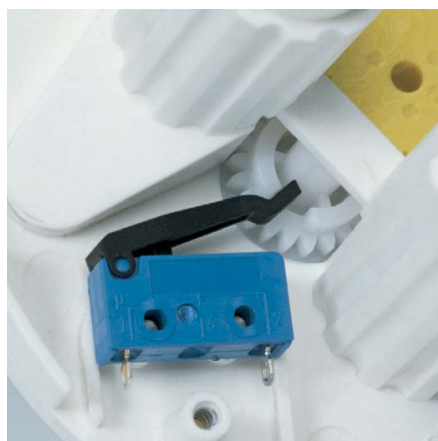
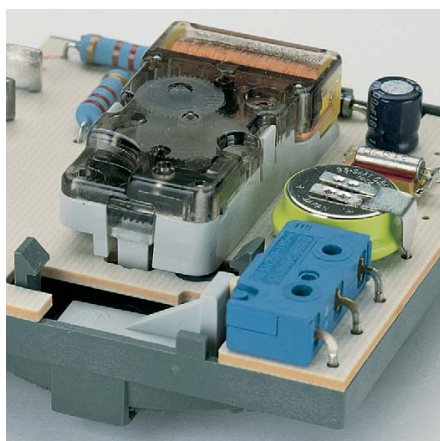
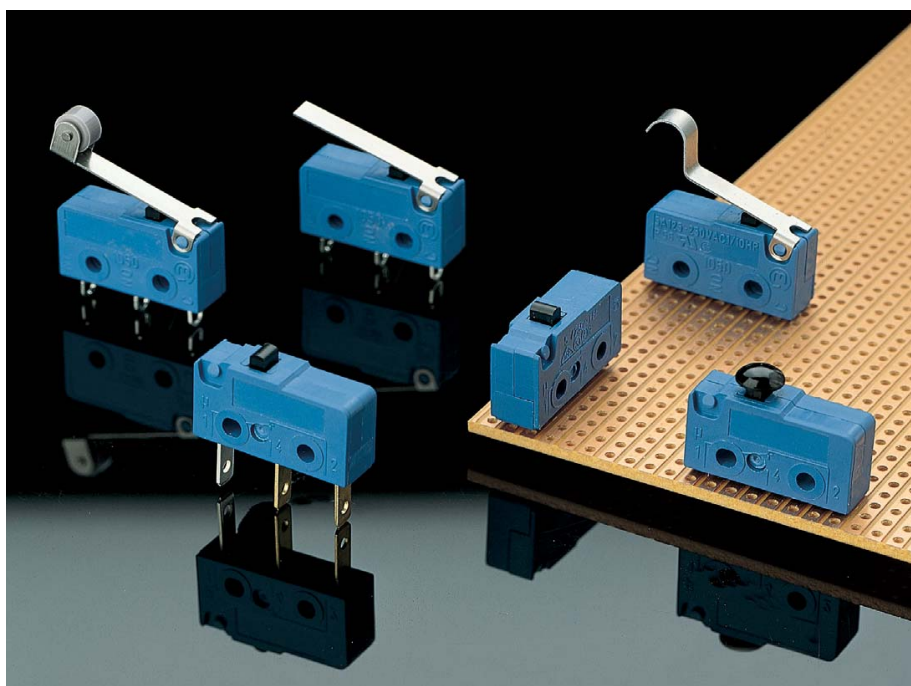


SERIES 1050 - ENCLOSED SNAP ACTION SWITCHES

UP TO 10 (1,5) A 250 V~



PRODUCT ADVANTAGES

- ◆ Small snap action switches in size DIN 41635 design B
- ◆ Maximum functional reliability by tension spring contact system
- ◆ Precise switching accuracy with long life endurance
- ◆ The special design of the PCB terminals guarantees optimum automatic solderability
- ◆ The versions with mushroom-head actuators can be approached from all sides
- ◆ The standard program includes a number of different ratings and terminal versions
- ◆ The optional actuators made of chrome-nickel-steel are available in different shapes and lengths. These can easily be retrofitted.

SWITCHING FUNCTIONS

- ◆ Change-over
- ◆ Normally open
- ◆ Normally closed

TERMINAL VERSIONS

- ◆ Quick-connect terminal 2.8 x 0.5 mm
- ◆ Solder terminal
- ◆ PCB terminal
- ◆ Angled PCB terminal

VERSIONS ON REQUEST

- ◆ With longer over-travel
- ◆ Approved to T 125
- ◆ With increased or reduced movement differential
- ◆ With gold-plated contacts
- ◆ With electrical rating
2 (2) A 250 V~ 25E3
Actuating force $\leq 2,2$ N
- ◆ With electrical rating
6 (2) A 250 V~ 25E3

Electrical rating (depending on version)	10 (1,5)A 250 V~ 10E3 10,1 A 125 - 250 VAC 1/4 HP
Version	DIN 41635 B
Actuating force max.	≤ 2,2 N
Mechanical life endurance	10E6 without optional actuator 1E6 with optional actuator
Electrical life endurance	electrical rating-dependent
Contact resistance (new state)	< 100 mΩ
Insulation resistance (new state)	> 100 MΩ (500 V DC between the open contacts)
High voltage resistance (new state)	750 V eff. (between the open contacts) 1250 V (basic insulation)
Bounce time	< 5 ms
Protection type	IP 40
Resistance to tracking	PTI 175
Contact gap	< 3 mm (μ)
Ambient temperature	-40 °C ... +100 °C no condensation
Storage temperature	-40 °C ... +100 °C
Flammability	UL 94 V-2
Heat and fire-resistance	850 °C (category D)
Material	actuator PA housing PBTP optional actuator chrome-nickel steel optional actuator roller PA
Contacts	AgNi/AgNi resp. gold-plated
Material	quick-connect terminals CuZn resp. silver-plated solder terminals tinned silver-plated PCB terminals tinned and sealed to the switch
Solderability of terminals	max. 350 °C, 2-3 sec. (no pressure on the terminals when soldering by hand!)
Approval marks	

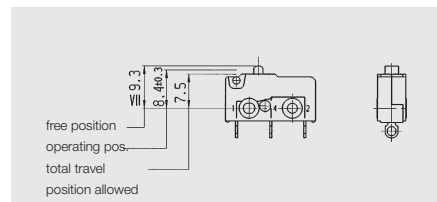
STANDARD VERSION

Actuating force ≤ 1,5 N
[Actuating force ≤ 2,2 N]

5 A 250 V~ 50E3
5 A 125-250 VAC 1/10 HP

10 (1,5)A 250 V~ 10E3
10,1 A 125-250 VAC 1/4 HP

2 (0,5)A 250 V~ 25E3
2 A 125-250 VAC



mov. differential max. 0.2 mm
pre-travel max. 1.2 mm
over-travel min. 0.6 mm

change-over

1050.1102*
 1050.0102*
 1050.2102*
 1050.3102
 1050.4102

normally open

1050.1122
 1050.0122*
 1050.2122*

normally closed

1050.1142

change-over

[1050.0103*]

contacts gold-plated

1050.1151*
 1050.2151*

* Version on stock

SERIES 1050 - ENCLOSED SNAP ACTION SWITCHES

UP TO 10 (1,5) A 250 V~

MUSHROOM HEAD ACTUATOR

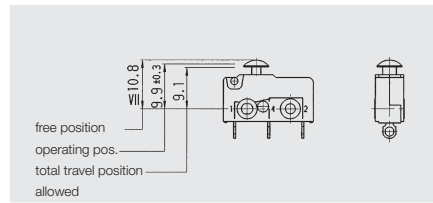
Actuating force $\leq 1,5$ N

5 A 250 V~ 50E3

5 A 125-250 VAC 1/10 HP

2 (0,5) A 250 V~ 25E3

2 A 125-250 VAC



mov. differential max. 0.2 mm
pre-travel max. 1.2 mm
over-travel min. 0.6 mm

Change-over

☐ 1050.1202*

⊖ 1050.0202*

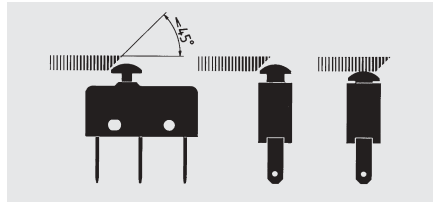
⊞ 1050.2202*

Contacts gold-plated

☐ 1050.4251

The mushroom head actuator allows actuation from all sides in addition to vertical actuation from above.

An angle of $< 45^\circ$ is necessary on the actuating element for such applications (angle for versions with longer over-travel on request). To keep the friction as low as possible, we recommend that you use materials with a low friction coefficient. The surface of the actuating element should be polished.



VERSION WITH OPTIONAL ACTUATOR

Actuating force $\leq 0,5$ N

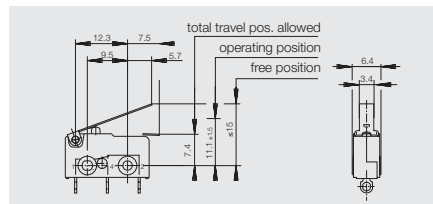
[Actuating force $\leq 0,6$ N]

5 A 250 V~ 50E3

5 A 125-250 VAC 1/10 HP

2 (0,5) A 250 V~ 25E3

2 A 125-250 VAC



mov. differential max. 1.0 mm
pre-travel max. 5.4 mm
over-travel min. 2.2 mm

Change-over

⊖ 1050.5202*

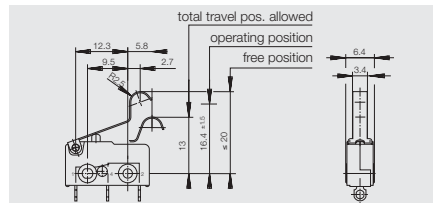
⊞ 1050.7202*

Contacts gold-plated

☐ 1050.6251

⊖ 1050.5251*

mov. differential max. 1.0 mm
pre-travel max. 5.1 mm
over-travel min. 1.9 mm



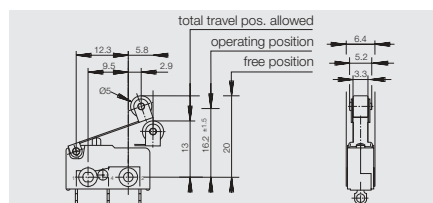
5 A 250 V~ 50E3

5 A 125-250 VAC 1/10 HP

Change-over

☐ [1050.5502*]

mov. differential max. 1.0 mm
pre-travel max. 5.3 mm
over-travel min. 1.7 mm



5 A 250 V~ 50E3

5 A 125-250 VAC 1/10 HP

Change-over

☐ [1050.6702*]

⊖ [1050.5702*]

⊞ [1050.7702*]

