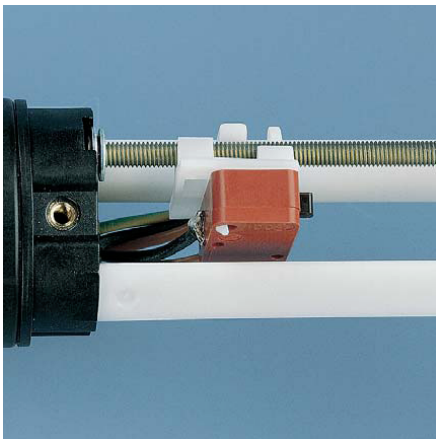
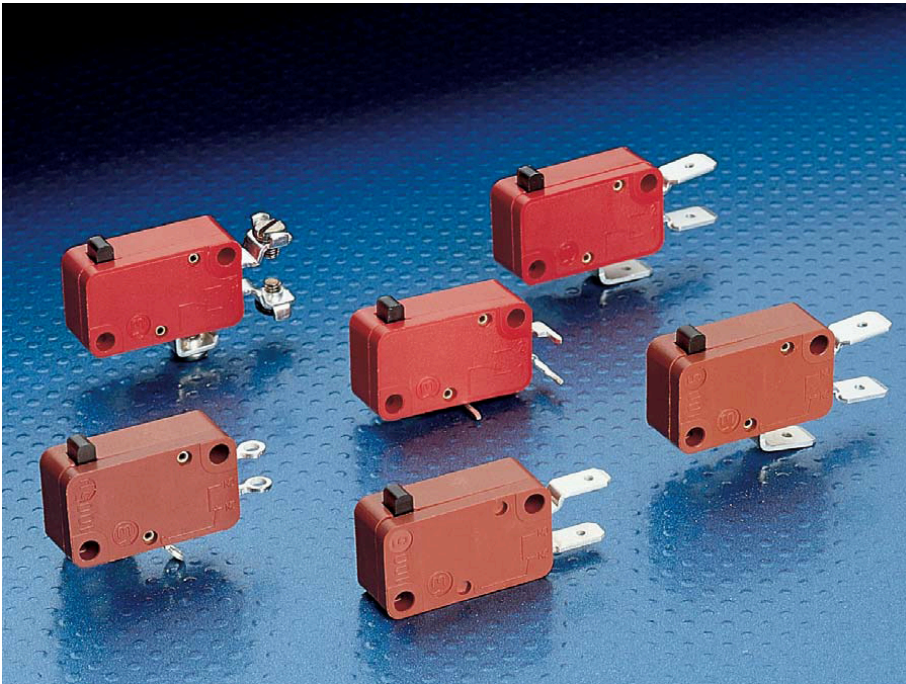


SERIES 1004/1005/1006 - ENCLOSED SNAP ACTION SWITCHES

UP TO 21 (8) A 250 V~



PRODUCT ADVANTAGES

- ◆ Universally applicable, proven snap action switch series with high functional reliability in size DIN 41635 design A
- ◆ Long mechanical life endurance
- ◆ Very high inrush currents
- ◆ Compulsory friction contact system, its shearing movement can free welded contacts
- ◆ Wide range of ratings from 6 (2,5) A 400 V~ to 21 (8) A 250 V~
- ◆ Contact gaps < 3 mm and ≥ 3 mm
- ◆ Actuating forces of 0,2 N to 4,2 N

SWITCHING FUNCTIONS

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

TERMINAL VERSIONS


- ◆ Solder terminal and short solder terminal
- ◆ Quick-connect 6.3 x 0.8 mm
- ◆ Quick-connect 4.8 x 0.8 mm
- ◆ PCB terminal frontal
- ◆ Angled PCB terminal

VERSIONS ON REQUEST

- ◆ Electrical rating change-over 21 (8) A 250 V~ 25E3
- ◆ Electrical rating normally open and normally closed 20 A 250 V~ 50E3
- ◆ Electrical rating normally open > 3 mm 10 (10) A 250 V~ 50E3
- ◆ Electrical rating change-over 8 (8) A 250 V~ 50E3
- ◆ For ambient temperatures T 125
- ◆ Change-over with contact gap ≥ 3 mm (series 1005)
- ◆ Normally open with lateral bearing connection (series 1005)
- ◆ Quick-connect 4.8 x 0.5 mm
- ◆ Quick-connect 2.8 x 0.8 mm
- ◆ UL-electrical rating up to 21 A 125 VAC 1 HP
21 A 250 VAC 2 HP

SERIES 1004 / 1005 / 1006 - ENCLOSED SNAP ACTION SWITCHES

UP TO 21 (8) A 250 V~

Electrical rating (depending on version)	21 (8) A 250 V~ 25E3 16 (4) A 400 V~ 50E3 8 (8) A 250 V~ 50E3 21 A 125 VAC 1 HP 21 A 250 VAC 2 HP	
Version	DIN 41635 A	
Actuating force	series 1004 series 1005 series 1006	0,2 ... 1,8 N 1,0 ... 4,2 N 0,3 ... 4,2 N
Mechanical life endurance	< 3 mm ≥ 3 mm and lever versions	10E6 5E6
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)	< 3 mm ≥ 3 mm	750 V (between the open contacts) 1250 V (reinforced insulation) 3750 V (reinforced insulation)
Bounce time	< 10 ms	
Resistance to tracking	PTI 250	
Contact gap	< 3 mm (μ) or ≥ 3 mm	
Ambient temperature	-40 °C ... +100 °C no condensation	
Storage temperature	-40 °C ... +80 °C	
Flammability	housing actuator	UL 94 V-0 UL 94 V-0 / V-2
Heat and fire-resistance	850 °C (category D)	
Material	housing / actuator optional actuator optional actuator roller	duroplast or PA chrome-nickel steel PA
Contacts	Ag/Ag resp. gold-plated	
Terminals	silver-plated	
Solderability of terminals	duroplast-housing thermoplast-housing	max. 350 °C, 5 sec. max. 350 °C, 2-3 sec. (no pressure on the terminals when soldering by hand)
Approval marks		
Suitable for appliances of protection class II. Required air and creepage distances within the appliances have to be observed.		

The test conditions comply with EN 61058-1 resp. UL 1054

SERIES 1005

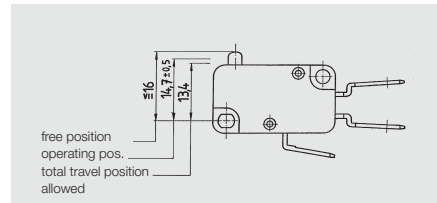
with contact gap < 3 mm

Actuating force 1,5 ... 2,5 N
 6(2,5) A 400 V~ 50E3
 10(4) A 400 V~ 10E3
10A 125-250 VAC 1/4 HP

Actuating force 2,4 ... 3,8 N
 20(4) A 400 V~ 10E3
 16(4) A 400 V~ 50E3
 10(6) A 250 V~ 50E3
16A 125-250 VAC 1/2 HP



change-over
 □ 1005.1001*
 □ 1005.0401*



normally open □ 1005.1201*
normally closed □ 1005.1101
 □ 1005.4001

mov. differential max. 0.3 mm
 pre-travel max. 1.8 mm
 over-travel min. 0.8 mm

SERIES 1004

with low actuating forces and contact gap < 3 mm

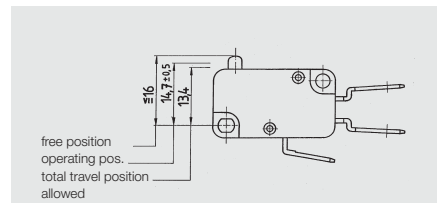
Actuating force 0,2 ... 0,6 N
 6(2,5) A 250 V~ 50E3
4A 125-250 VAC 1/6 HP

Actuating force 0,5 ... 1,1 N
 10(4) A 250 V~ 50E3
8A 125-250 VAC 1/3 HP

Actuating force 0,8 ... 1,8 N
 16(4) A 250 V~ 25E3



change-over
 □ 1004.1002*
 □ 1004.0402



□ 1004.1001*

□ 1004.3503

mov. differential max. 0.3 mm
 pre-travel max. 1.8 mm
 over-travel min. 0.8 mm

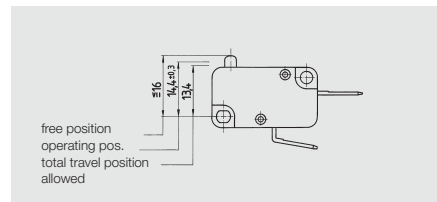
SERIES 1005

with contact gap ≥ 3 mm

Actuating force 2,4 ... 3,8 N
 10(6) A 250 V~ 50E3
10A 125-250 VAC 1/2 HP



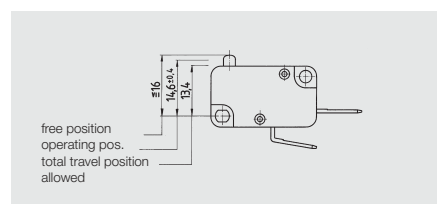
normally open
 □ 1005.1204*
 □ 1005.0904



mov. differential max. 1.2 mm
 pre-travel max. 1.9 mm
 over-travel min. 0.7 mm



normally closed
 □ 1005.1105*



mov. differential max. 1.0 mm
 pre-travel max. 1.8 mm
 over-travel min. 0.8 mm

Actuating force 2,6 ... 4,2 N
 10(6) A 250 V~ 50E3
10A 125-250 VAC 1/2 HP

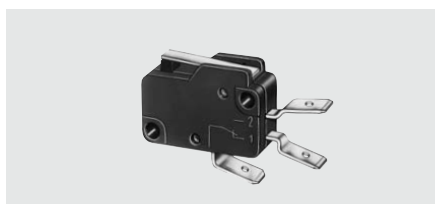
SERIES 1004 / 1005 / 1006 - ENCLOSED SNAP ACTION SWITCHES

UP TO 21 (8) A 250 V~

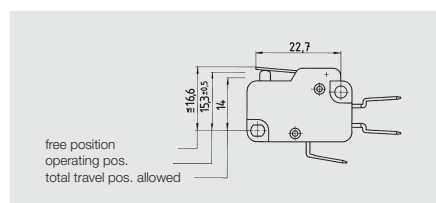
SERIES 1006

with straight metal lever
contact gap < 3 mm

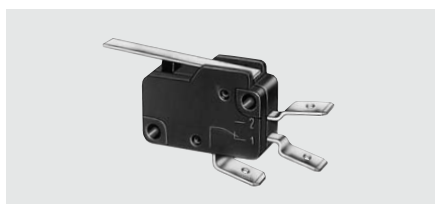
actuating force 1,5 ... 2,5 N
6 (2,5) A 400 V~ 50E3
10 (4) A 400 V~ 10E3
[10 A 125-250 VAC 1/4 HP](#)



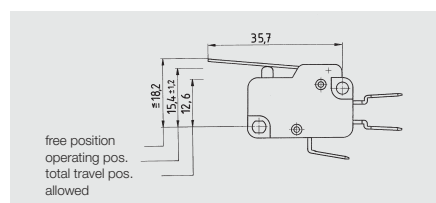
change-over
 1006.1101



mov. differential max. 0.3 mm
pre-travel max. 1.8 mm
over-travel min. 0.8 mm




change-over
 1006.1401*
 1006.0901

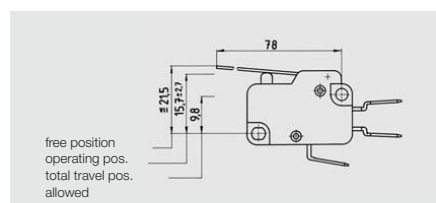


mov. differential max. 0.7 mm
pre-travel max. 4.0 mm
over-travel min. 1.6 mm

actuating force 0,8 ... 1,4 N
6 (2,5) A 400 V~ 50E3
10 (4) A 400 V~ 10E3
[10 A 125-250 VAC 1/4 HP](#)

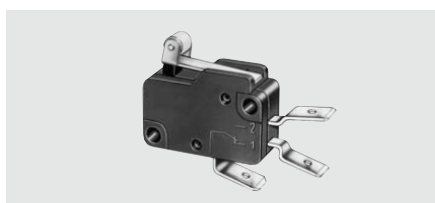


change-over
 1006.1301*

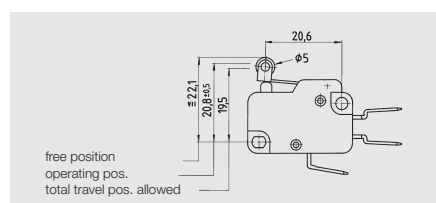


mov. differential max. 1.8 mm
pre-travel max. 8.5 mm
over-travel min. 3.2 mm

actuating force 0,30 ... 0,55 N
6 (2,5) A 400 V~ 50E3
10 (4) A 400 V~ 10E3
[10 A 125-250 VAC 1/4 HP](#)



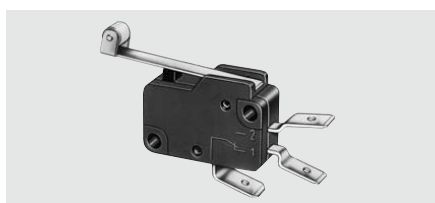
change-over
 1006.1201*
 1006.0701*



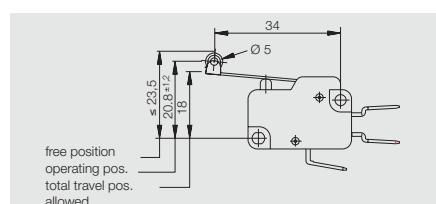
mov. differential max. 0.3 mm
pre-travel max. 1.8 mm
over-travel min. 0.8 mm

actuating force 1,5 ... 2,5 N
6 (2,5) A 400 V~ 50E3
10 (4) A 400 V~ 10E3
[10 A 125-250 VAC 1/4 HP](#)

versions with 16 A or contact gap \geq 3 mm
on request.



change-over
 1006.1511*
 1006.1011*



mov. differential max. 0.9 mm
pre-travel max. 3.9 mm
over-travel min. 1.6 mm

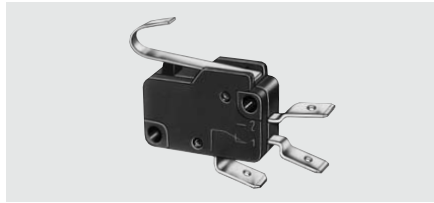
actuating force 0,7 ... 1,25 N
6 (2,5) A 400 V~ 50E3
10 (4) A 400 V~ 10E3
[10 A 125-250 VAC 1/4 HP](#)

SERIES 1006

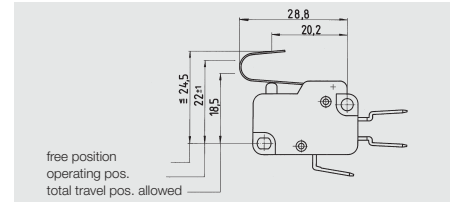
with metal spring actuator
contact gap < 3 mm

The spring actuator allows a recoil of 1.5 mm

actuating force 1,50 ... 2,50 N
6(2,5) A 400 V~ 50E3
10(4) A 400 V~ 10E3
10A 125-250 VAC 1/4 HP



change-over
□▷ 1006.1801*

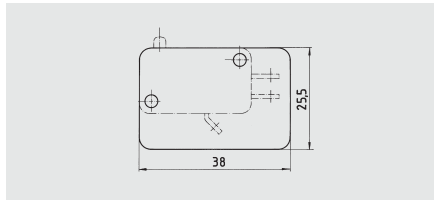


free position
operating pos.
total travel pos. allowed

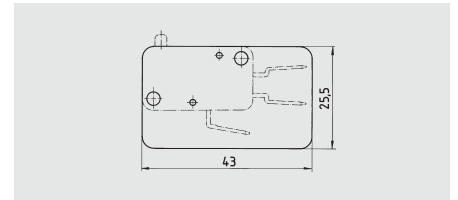
mov. differential max. 0,6 mm
pre-travel max. 3,5 mm
over-travel min. 1,0 mm
+ 1,5 mm with elastic hysteresis

INSULATING PLATES

made of hard paper HP 2061 for
mounting on metal or between
stackable switches

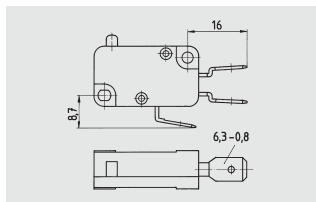
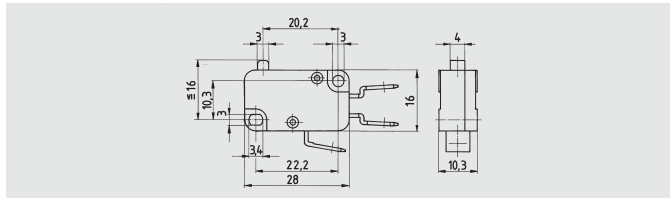


for solder terminal
thickness 0.5 mm 231 009 011*
thickness 0.8 mm 231 009 021*

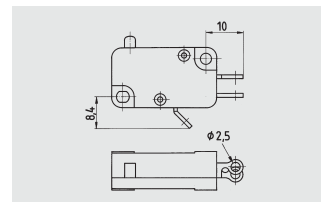


for quick-connect
thickness 0.5 mm 231 010 011*
thickness 0.8 mm 231 010 021*

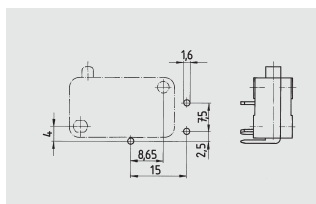
DIMENSIONED DRAWINGS



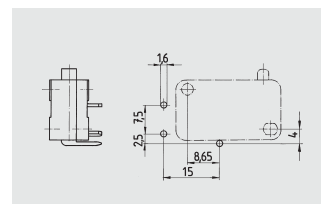
□▷ quick-connect



□○ solder terminal



└┘ angled PCB-terminal to socket side (left)



└┘ angled PCB-terminal to cover side (right)

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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