

MS Series Subminiature Snap-acting Switches

Features/Benefits

- Detect interlock and movement
- Different lever options
- Various operating forces
- Extended mechanical life
- UL approval on some designs
- Customization available
- RoHS compatible and compliant

Typical Applications

- Office equipment
- Consumer electronics
- Appliances
- Audio & visual equipment
- Medical
- Industrial meters



Specifications

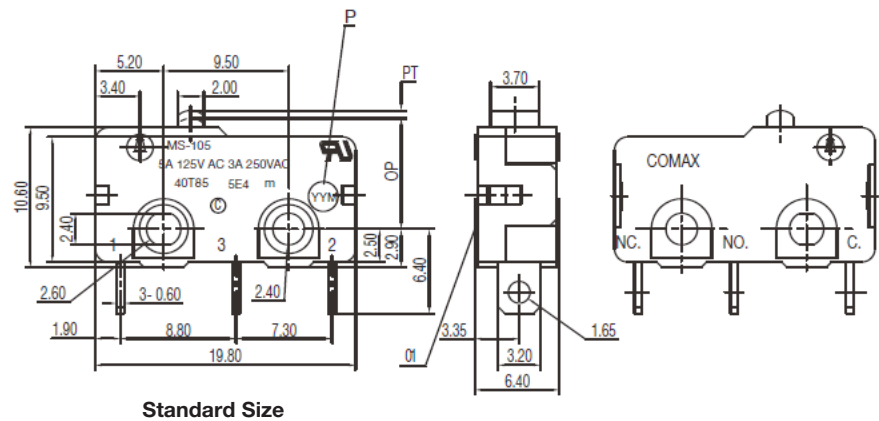
CONTACT ARRANGEMENT: SPDT
 CONTACT RATING: 5 A @ 125 VAC / 3 A @ 250 VAC
 OPERATING LIFE: 1,000,000 cycles without load
 6,000 cycles with load UL
 INITIAL CONTACT RESISTANCE: 100 mΩ max.
 INSULATION RESISTANCE: 100 MΩ min. @ 500 VDC
 DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz)
 OPERATING TEMPERATURE: -40°C to + 85°C
 OPERATING FORCE: 130 ± 30 gf
 PRE-TRAVEL (PT): 0.6 mm max.
 OVERTRAVEL: 0.5 mm max.
 OPERATING POSITION (OP): 8.40 ± 0.40 mm

Materials

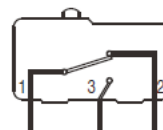
COVER: PBT (UL94V-0)
 HOUSING: PBT (UL94V-0)
 KNOB: PBT (UL94V-0)
 TERMINALS: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

PART NUMBER
MS-105A01

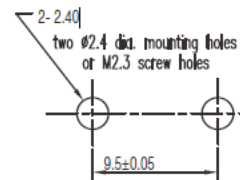


Circuit Diagram



SCHEMATIC

Mounting Holes



PIERCING PLAN

Snap-acting


J

Snap-acting

Snap-acting

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Snap-acting

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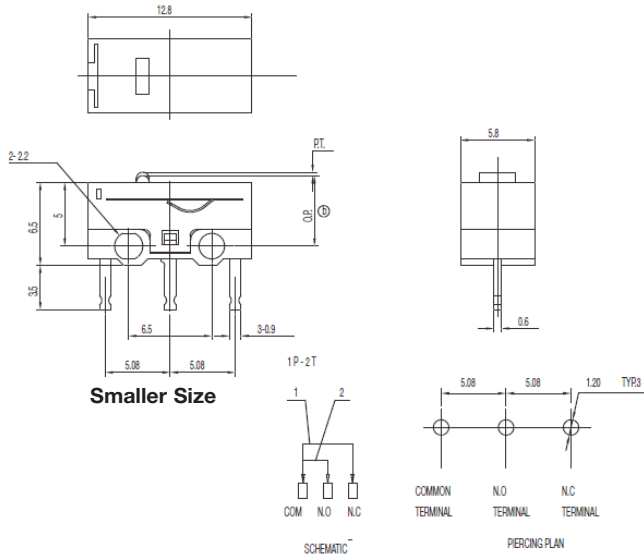
Snap-acting



MS Series Subminiature Snap-acting Switches

PART NUMBER

MS-118305



Specifications

CONTACT ARRANGEMENT: SPDT
CONTACT RATING: 0.1 A @ 30 VDC
OPERATING LIFE: 500,000 cycles without load
50,000 cycles with load
INITIAL CONTACT RESISTANCE: 50 m Ω max.
INSULATION RESISTANCE: 100 M Ω min. @ 500 VDC
DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz)
OPERATING TEMPERATURE: -20°C to + 70°C
OPERATING FORCE: 70 $\pm$ 40 gf
PRE-TRAVEL (PT): 0.50 mm max.
OVERTRAVEL: 0.5 mm min.
OPERATING POSITION (OP): 5.50 $\pm$ 0.30 mm

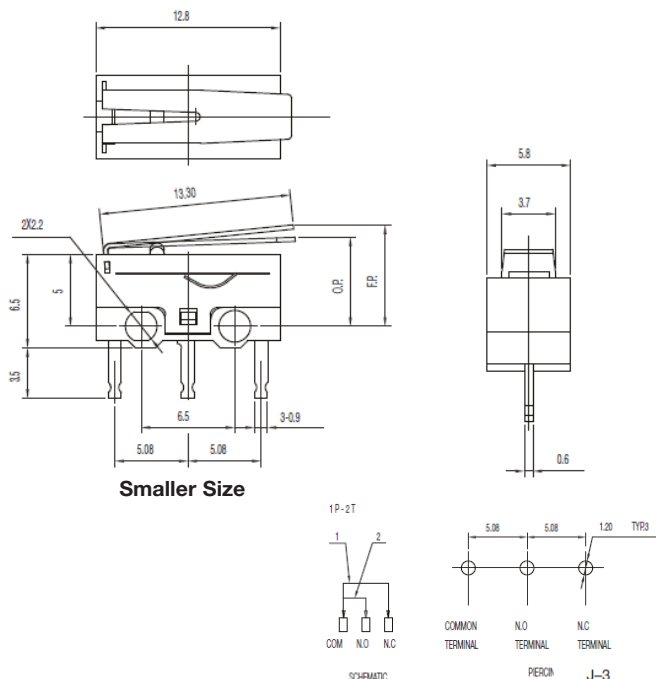
Materials

COVER: PBT (UL94V-0)
HOUSING: PBT (UL94V-0)
KNOB: PBT (UL94V-0)
TERMINALS: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

PART NUMBER

MS-118305-A



Specifications

CONTACT ARRANGEMENT: SPDT
CONTACT RATING: 0.1 A @ 30 VDC
OPERATING LIFE: 500,000 cycles without load
50,000 cycles with load
INITIAL CONTACT RESISTANCE: 50 m Ω max.
INSULATION RESISTANCE: 100 M Ω min. @ 500 VDC
DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz)
OPERATING TEMPERATURE: -20°C to + 70°C
OPERATING FORCE: 25 $\pm$ 15 gf
OVERTRAVEL: 0.5 mm min.
OPERATING POSITION (OP): 6.0 $\pm$ 0.80 mm
FREE POSITION (FP): 8.5mm max.

Materials

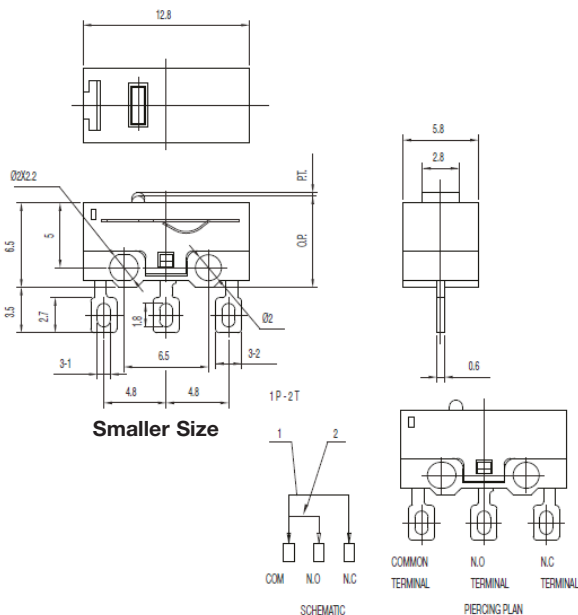
COVER: PBT (UL94V-0)
HOUSING: PBT (UL94V-0)
KNOB: PBT (UL94V-0)
TERMINALS: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

MS Series Subminiature Snap-acting Switches

PART NUMBER

MS-118405



Specifications

CONTACT ARRANGEMENT: SPDT
CONTACT RATING: 0.1 A @ 30 VDC
OPERATING LIFE: 500,000 cycles without load
50,000 cycles with load
INITIAL CONTACT RESISTANCE: 50 m Ω max.
INSULATION RESISTANCE: 100 M Ω min. @ 500 VDC
DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz)
OPERATING TEMPERATURE: -20°C to + 70°C
OPERATING FORCE: 70 $\pm$ 40 gf
PRE-TRAVEL (PT): 0.50 mm max.
OVERTRAVEL: 0.5 mm min.
OPERATING POSITION (OP): 7.0 $\pm$ 0.30 mm

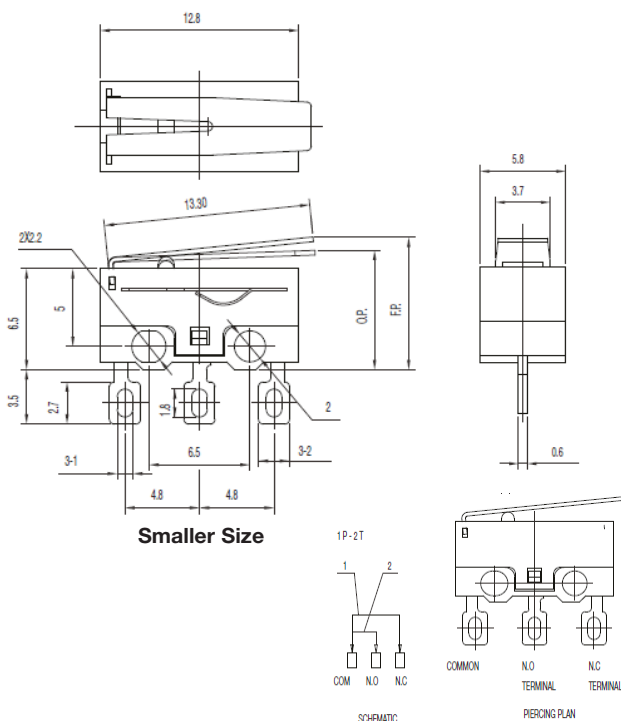
Materials

COVER: PBT (UL94V-0)
HOUSING: PBT (UL94V-0)
KNOB: PBT (UL94V-0)
TERMINALS: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

PART NUMBER

MS-118405-A



Specifications

CONTACT ARRANGEMENT: SPDT
CONTACT RATING: 0.1 A @ 30 VDC
OPERATING LIFE: 500,000 cycles without load
50,000 cycles with load
INITIAL CONTACT RESISTANCE: 50 m Ω max.
INSULATION RESISTANCE: 100 M Ω min. @ 500 VDC
DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz)
OPERATING TEMPERATURE: -20°C to + 70°C
OPERATING FORCE: 25 $\pm$ 15 gf
OVERTRAVEL: 0.5 mm min.
OPERATING POSITION (OP): 7.5 $\pm$ 0.80 mm
FREE POSITION (FP): 10 mm max.

Materials

COVER: PBT (UL94V-0)
HOUSING: PBT (UL94V-0)
KNOB: PBT (UL94V-0)
TERMINALS: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.



Third Angle
Projection

Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change

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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