

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

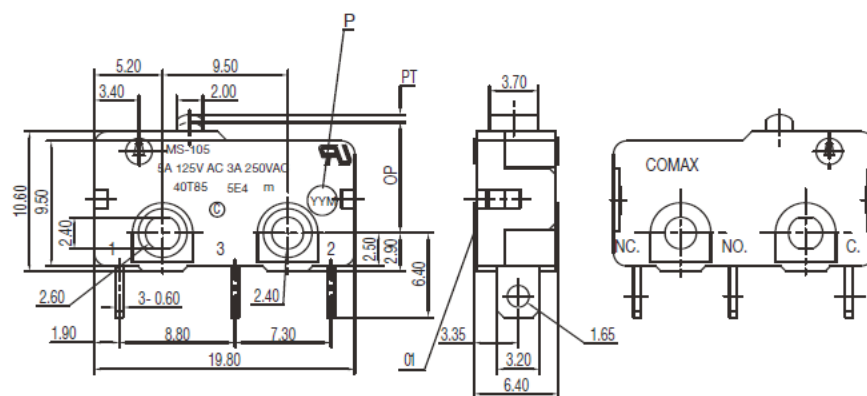
CONTACT ARRANGEMENT: SPDT
 CONTACT RATING: 5 A @ 125 VAC / 3 A @ 250 VAC
 OPERATING LIFE: 1,000,000 cycles without load
 6,000 cycles with load UL
 INITIAL CONTACT RESISTANCE: 100 mΩ max.
 INSULATION RESISTANCE: 100 MΩ min. @ 500 VDC
 DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz)
 OPERATING TEMPERATURE: -40°C 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

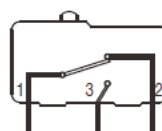
COVER: PBT (UL94V-0)
 HOUSING: PBT (UL94V-0)
 KNOB: PBT (UL94V-0)
 TERMINALS: Silver plated

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

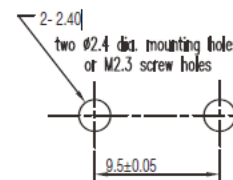


Circuit Diagram



SCHEMATIC

Mounting Holes



PIERCING PLAN

Snap-acting


J

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Snap-acting



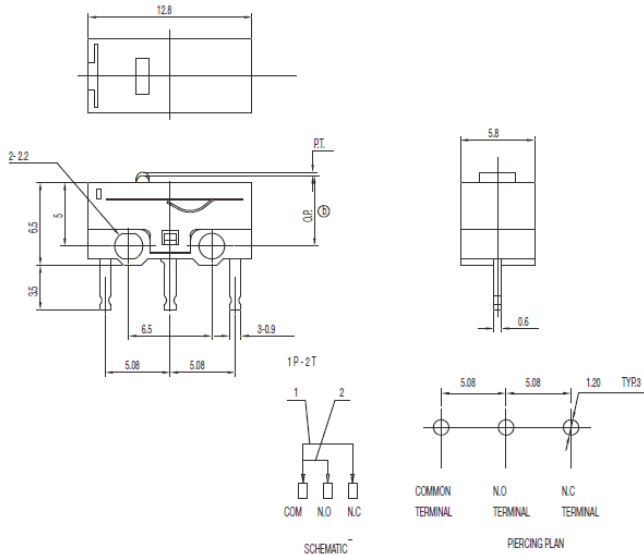
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MS Series Subminiature Snap-acting Switches

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 mΩ max.
 INSULATION RESISTANCE: 100 MΩ min. @ 500 VDC
 DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz)
 OPERATING TEMPERATURE: -20°C to + 70°C
 OPERATING FORCE: 70 ± 40 gf
 PRE-TRAVEL (PT): 0.50 mm max.
 OVERTRAVEL: 0.5 mm min.
 OPERATING POSITION (OP): 5.50 ± 0.30 mm

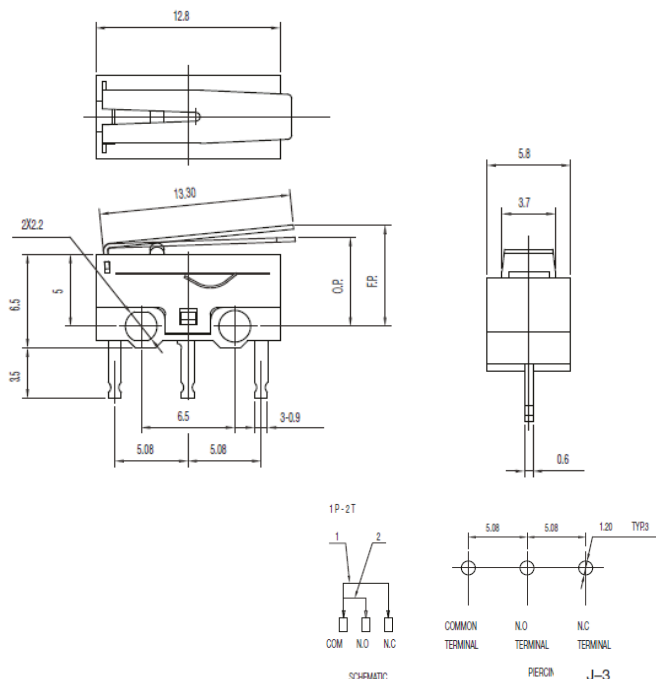
Materials

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 mΩ max.
 INSULATION RESISTANCE: 100 MΩ min. @ 500 VDC
 DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz)
 OPERATING TEMPERATURE: -20°C to + 70°C
 OPERATING FORCE: 25 ± 15 gf
 OVERTRAVEL: 0.5 mm min.
 OPERATING POSITION (OP): 6.0 ± 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.

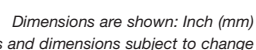
Snap-acting

The technical drawings of the 1P-2T relay include:

- Top View:** Shows a rectangular component with a width of 12.8. A central slot is visible.
- Side View (Left):** Shows the profile of the relay with dimensions: 6.5 (total height), 5 (height to the top of the coil), 3.5 (height to the base), 2.7 (height to the bottom of the coil), 1.8 (height to the bottom of the base), 6.5 (width of the base), 3-2 (width of the base), 4.8 (width of the base), and 4.8 (width of the base). The label "1P-2T" is present.
- Side View (Right):** Shows the profile of the relay with dimensions: 5.8 (total height), 2.8 (height to the top of the coil), and 0.6 (height to the base).
- Front View:** Shows the front of the relay with dimensions: 6.5 (width of the base), 3-2 (width of the base), 4.8 (width of the base), and 4.8 (width of the base). The label "1P-2T" is present.
- Schematic Diagram:** Shows a circuit diagram with two input lines labeled 1 and 2. Line 1 is connected to the COM terminal, and line 2 is connected to the N.O. terminal. The N.C. terminal is also shown.
- Piercing Plan:** Shows the layout of the terminals: COMMON TERMINAL, N.O. TERMINAL, and N.C. TERMINAL.

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

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

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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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