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

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 CONACT RESISTANCE: 100 m½ max. INSULATION RESISTANCE: 100 M½ 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

PART NUMBER

MS-105A01

Typical Applications

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

Materials

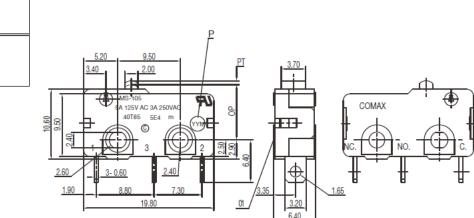
COVER: PBT (UL94V-0)

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.



Standard Size

Circuit Diagram





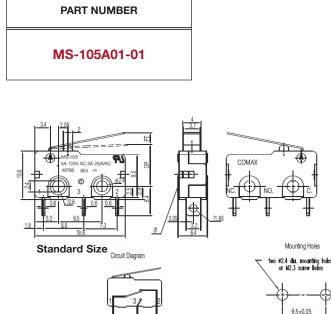




PIERCING PLAN



MS Series **Small Size Snap-acting Switches**



PIERCING PLAN

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 CONACT RESISTANCE: 100 m1/2 max. INSULATION RESISTANCE: 100 M 1/2 min. @ 500 VDC DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz) OPERATING TEMPERATURE: -40°C to + 85°C OPERATING FORCE: 65 ± 20 gf PRE-TRAVEL (PT): 3.0 mm max. OVERTRAVEL: 1.0 mm max. OPERATING POSITION (OP): 9.40 ± 1.0 mm

Materials

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

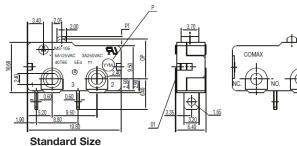
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

PART NUMBER

Snap-acting

SCHEMATIC

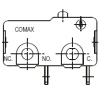
MS-105B01



Circuit Diagram



SCHEMATIC





PIERCING PLAN

Specifications

CONTACT ARRANGEMENT: SPST 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 CONACT RESISTANCE: 100 m1/2 max. INSULATION RESISTANCE: 100 M 1/2 min. @ 500 VDC DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz) OPERATING TEMPERATURE: -40°C to + 85°C OPERATING FORCE: 230 ± 50 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**

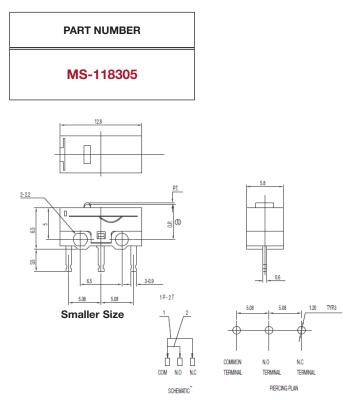
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.



Specifications and dimensions subject to change







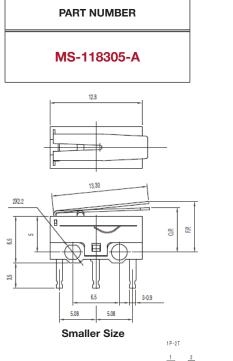
Specifications

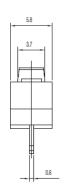
CONTACT ARRANGEMENT: SPDT CONTACT RATING: 0.1 A @ 30 VDC OPERATING LIFE: 500,000 cycles without load 50,000 cycles with load INITIAL CONACT RESISTANCE: 50 m½ max. INSULATION RESISTANCE: 100 M½ min. @ 500 VDC DIELECTRIC STRENGTH: 1000 VAC (50-60 Hz) OPERATING TEMPERATURE: -20°C to + 70°C OPERATING FORCE: 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

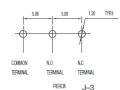
Materials

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.







Specifications

CONTACT ARRANGEMENT: SPDT CONTACT RATING: 0.1 A @ 30 VDC OPERATING LIFE: 500,000 cycles without load 50,000 cycles with load INITIAL CONACT RESISTANCE: 50 m¹/₂ max. INSULATION RESISTANCE: 100 M ¹/₂ 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.

Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

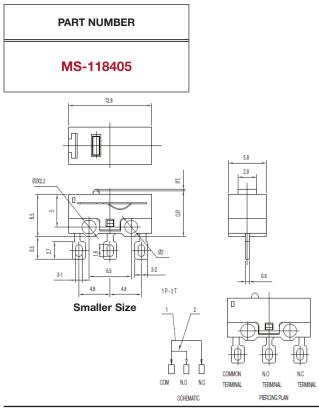
C&K

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SCHEMATIC

MS Series Small Size Snap-acting Switches



Specifications

CONTACT ARRANGEMENT: SPDT CONTACT RATING: 0.1 A @ 30 VDC OPERATING LIFE: 500,000 cycles without load 50,000 cycles with load INITIAL CONACT RESISTANCE: 50 m¹/₂ max. INSULATION RESISTANCE: 100 M $\frac{1}{2}$ 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): 7.0 ± 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.

Specifications

CONTACT ARRANGEMENT: SPDT CONTACT RATING: 0.1 A @ 30 VDC OPERATING LIFE: 500,000 cycles without load 50,000 cycles with load INITIAL CONACT RESISTANCE: 50 m½ max. INSULATION RESISTANCE: 100 M ½ 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.

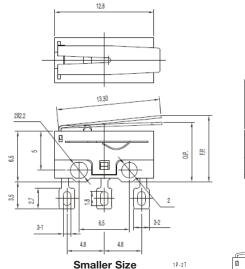


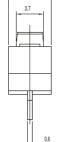
Dimensions are shown: Inch (mm) Specifications and dimensions subject to change

Snap-acting 🗅

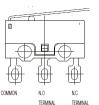
PART NUMBER

MS-118405-A





5.8



PIERCING PLAN



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SCHEMATIC

COM N.O. N.C.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches: MS105A01H MS118305G