

Honeywell Sensing and Control

311SM4-T



Actual product appearance may vary.

SM Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 5 A, Simulated Roller Actuator, Solder Termination

Features

- · Long operating life
- Elongated mounting hole for easier, more accurate mounting
- Choice of actuation (plunger, as well as a variety of integral and auxiliary actuators)
- Choice of electrical termination (solder, quick connect, PCB)
- Choice of operating characteristics (sensitive differential travel as low as 0,0254 mm [0.001 in] maximum, low operating force to 0,56 N [2.0 oz] maximum)
- Optional series constructions available (gold contacts for low energy switching, bifurcated gold contacts for maximum reliability, power load switching capability to 11 A)
- MIL-PFR-8805 qualified listings available

Potential Applications

- Aerospace
- Instrumentation
- Appliances
- Vending machines
- Timing devices
- Office equipment
- Computer/business equipment
- Test instruments
- Medical/dental equipment
- Communications equipment
- HVAC equipment
- Manually operated devices
- Valves

Description

MICRO SWITCHTM SM Series subminiature basic switches are used for simple or precision on/off application needs. The MICRO SWITCHTM SM Series switches are slightly larger than the MICRO SWITCHTM SX Series switches. These switches combine small size and light weight with ample electrical capacity, precision operation and long life.

| Product Specifications | |
|--------------------------------|---|
| Switch Type | MICRO SWITCH ^{TM} Subminiature 12,7 mm H x 6,35 mm W x 20,3 mm L [0.5 in H x 0.25 in W x 0.8 in L] |
| Sealed | No |
| Ampere Rating | 5 A |
| Circuitry | Single Pole Double Throw (SPDT) |
| Actuator | Simulated Roller Lever |
| Termination | Solder |
| Operating Temperature Range | -55 °C to 125 °C [-67 °F to 257 °F] |
| Voltage | 250 Vac |
| Approvals | CE,CSA,UL,ENEC |
| Actuator Length | 6,38 mm [0.251 in] |
| Contact Type | Silver |
| Operating Force (O.F.) | 0,39 N [1.4 oz] max. |
| Release Force (R.F.) | 0,07 N [0.25 oz] max. |
| Pretravel (P.T.) | 2,16 mm [0.085 in] max. |
| Overtravel (O.T.) | 0,46 mm [0.018 in] min. |
| Differential Travel (D.T.) | 0,48 mm [0.019 in] max. |
| Operating Position (O.P.) | 11,7 mm ± 1,5 mm [0.460 in ± 0.060 in] |
| Housing Material | General Purpose Phenolic |
| High Temperature | 204 °C [400 °F] |
| CE mark | 61058-1 |
| UL File # | E12252 |
| CSA File # | LR41372 |
| Agency Approvals and Standards | 1054 |
| Mounting Centers | 9,65 mm [0.38 in] |
| Maximum Tightening Torque | 0,26 N m [2.3 in lb] |
| Weight | 2,72 g [0.006 lb] |
| Package Height | 12,4 mm [0.49 in] |
| Package Width | 6,35 mm [0.25 in] |
| Package Length | 19,8 mm [0.78 in] |
| Recommended For | 6,38 mm [0.251 in] simulated roller lever |
| Availability | Global |
| UNSPSC Code | 30211905 |
| UNSPSC Commodity | 30211905 Snap switches |
| Series Name | SM |

