



Representative photograph,  
actual product appearance may  
vary.

Due to regional agency  
approval requirements, some  
products may not be available  
in your area. Please contact  
your regional Honeywell office  
regarding your product of  
choice.

## 311SM717-T

**SM Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 125 Vac, 1 A, Straight Lever 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

### Typical 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

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

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Product Specifications	
Switch Type	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]

<b>Sealed</b>	No
<b>Ampere Rating</b>	1 A
<b>Circuitry</b>	Single Pole Double Throw (SPDT)
<b>Actuator</b>	Straight Lever
<b>Termination</b>	Solder
<b>Operating Temperature Range</b>	-53 °C to 121 °C [-65 °F to 250 °F]
<b>Voltage</b>	125 Vac
<b>Approvals</b>	CSA, ENEC, UL
<b>Actuator Length</b>	44,8 mm [1.765 in]
<b>Contact Type</b>	Gold
<b>Operating Force (O.F.)</b>	0,06 N [0.2 oz] max.
<b>Release Force (R.F.)</b>	0,01 N [0.04 oz] max.
<b>Pretravel (P.T.)</b>	7,87 mm [0.310 in] max.
<b>Overtravel (O.T.)</b>	1,45 mm [0.057 in] min.
<b>Differential Travel (D.T.)</b>	1,78 mm [0.070 in] max.
<b>Operating Position (O.P.)</b>	7,11 mm ± 4,3 mm [0.280 in ± 0.170 in]
<b>Housing Material</b>	General Purpose Phenolic
<b>High Temperature</b>	121 °C [250 °F]
<b>CE mark</b>	61058-1
<b>UL File #</b>	E12252
<b>CSA File #</b>	LR41372
<b>Agency Approvals and Standards</b>	1054
<b>Mounting Screw Size</b>	22,1 mm [0.087 in]
<b>Mounting Centers</b>	9,65 mm [0.38 in]
<b>Maximum Tightening Torque</b>	0,26 N m [2.3 in lb]
<b>Weight</b>	2,72 g [0.006 lb]
<b>Package Height</b>	12,4 mm [0.49 in]
<b>Package Width</b>	6,35 mm [0.25 in]
<b>Package Length</b>	19,8 mm [0.78 in]
<b>Recommended For</b>	44,8 mm [1.765 in] straight lever
<b>Availability</b>	Global
<b>UNSPSC Code</b>	30211905
<b>UNSPSC Commodity</b>	30211905 Snap switches
<b>Series Name</b>	SM Series

**Honeywell**

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## Straight Lever Actuator, Solder Termination

### **WARNING**

#### **PERSONAL INJURY**

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

### **WARNING**

#### **MISUSE OF DOCUMENTATION**

- The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**