



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.

## 1SM1

**SM Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 5 A, Pin Plunger 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]
Sealed	No
Ampere Rating	5 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Pin Plunger
Termination	Solder
Operating Temperature Range	-53 °C to 121 °C [-65 °F to 250 °F]
Voltage	250 Vac
Approvals	CSA, ENEC, UL
Contact Type	Silver
Operating Force (O.F.)	0,83 N - 1,39 N [3.0 oz - 5.0 oz]
Release Force (R.F.)	0,28 N [1.0 oz] min.
Pretravel (P.T.)	0,76 mm [0.030 in] max.
Overtravel (O.T.)	0,13 mm [0.005 in] min.
Differential Travel (D.T.)	0,1 mm [0.004 in] max.
Operating Position (O.P.)	8,38 mm ± 0,38 mm [0.330 in ± 0.015 in]
Housing Material	General Purpose Phenolic
High Temperature	121 °C [250 °F]
CE mark	61058-1
UL File #	E12252
CSA File #	LR41372
Agency Approvals and Standards	1054
Mounting Screw Size	22,1 mm [0.087 in]
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	Most applications
Comment	Turret type solder terminals.
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	SM Series

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### ⚠ 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.**