



### 1SX1-H58



*Actual product appearance may vary.*

**SX Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 7 A, Pin Plunger Actuator, Quick Connect 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
- Optional series constructions available (gold contacts for low energy switching, bifurcated gold contacts for maximum reliability, power load switching capability to 7 A)
- MIL-PFR-8805 qualified listings available

#### Potential Applications

- Aerospace
- 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 SWITCH™ SX Series subminiature basic switches are used for simple or precision on/off application needs. They are small, precision snap-action switches that are ideal where savings in space and weight are important.

#### Product Specifications

|                             |  |
|-----------------------------|--|
| Switch Type                 | Subminiature 10,2 mm H x 5,08 mm W x 12,7 mm L [0.4 in H x 0.20 in W x 0.5 in L] |
| Sealed                      | No   |
| Ampere Rating               | 7 A  |
| Circuitry                   | Single Pole Double Throw (SPDT)  |
| Actuator                    | Pin Plunger  |
| Termination                 | Quick Connect  |
| Operating Temperature Range | -53 °C to 121 °C [-65 °F to 250 °F]  |
| Voltage                     | 250 Vac  |
| Approvals                   | CSA, UL  |
| Contact Type                | Silver   |
| Operating Force (O.F.)      | 1,39 N [5.0 oz] max.   |

|                                |   |
|--------------------------------|---|
| Release Force (R.F.)           | 0,28 N [1.0 oz] min.                            |
| Pretravel (P.T.)               | 0,5 mm [0.020 in] max.                          |
| Overtravel (O.T.)              | 0,1 mm [0.004 in] min.                          |
| Differential Travel (D.T.)     | 0,13 mm [0.005 in] max.                         |
| Operating Position (O.P.)      | 8,13 mm $\pm$ 0,38 mm [0.320 in $\pm$ 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               | 4,83 mm [0.19 in]                               |
| Maximum Tightening Torque      | 0,22 N m [2.0 in lb]                            |
| Weight                         | 1,36 g [0.003 lb]                               |
| Package Height                 | 8,89 mm [0.35 in]                               |
| Package Width                  | 5,0 mm [0.20 in]                                |
| Package Length                 | 12,7 mm [0.50 in]                               |
| Recommended For                | 7 amp load                                      |
| Comment                        | Accepts Amp Inc. .058 Diam. Pin Receptacles     |
| Availability                   | Global  |
| UNSPSC Code                    | 30211905  |
| UNSPSC Commodity               | 30211905 Snap switches                          |
| Series Name                    | SX  |

