



*Actual product appearance may vary.*

### SX Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 125 Vac, 1 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
- 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 8,89 mm H x 5,08 mm W x 12,7 mm L [0.35 in H x 0.20 in W x 0.5 in L]
Sealed	No
Ampere Rating	1 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Simulated Roller Lever
Termination	Solder
Operating Temperature Range	-53 °C to 121 °C [-65 °F to 250 °F]
Voltage	125 Vac
Approvals	CSA, UL
Actuator Length	1,1 mm [0.042 in]

Contact Type	Gold
Operating Force (O.F.)	0,58 N [2.1 oz] max.
Release Force (R.F.)	0,11 N [0.39 oz] min.
Pretravel (P.T.)	1,27 mm [0.050 in] max.
Overtravel (O.T.)	0,25 mm [0.010 in] min.
Differential Travel (D.T.)	0,38 mm [0.015 in] max.
Operating Position (O.P.)	14,15 mm $\pm$ 0,91 mm [0.557 in $\pm$ 0.036 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	Simulated Roller
Comment	Turret type solder terminals.
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	SX

# MICRO SWITCH

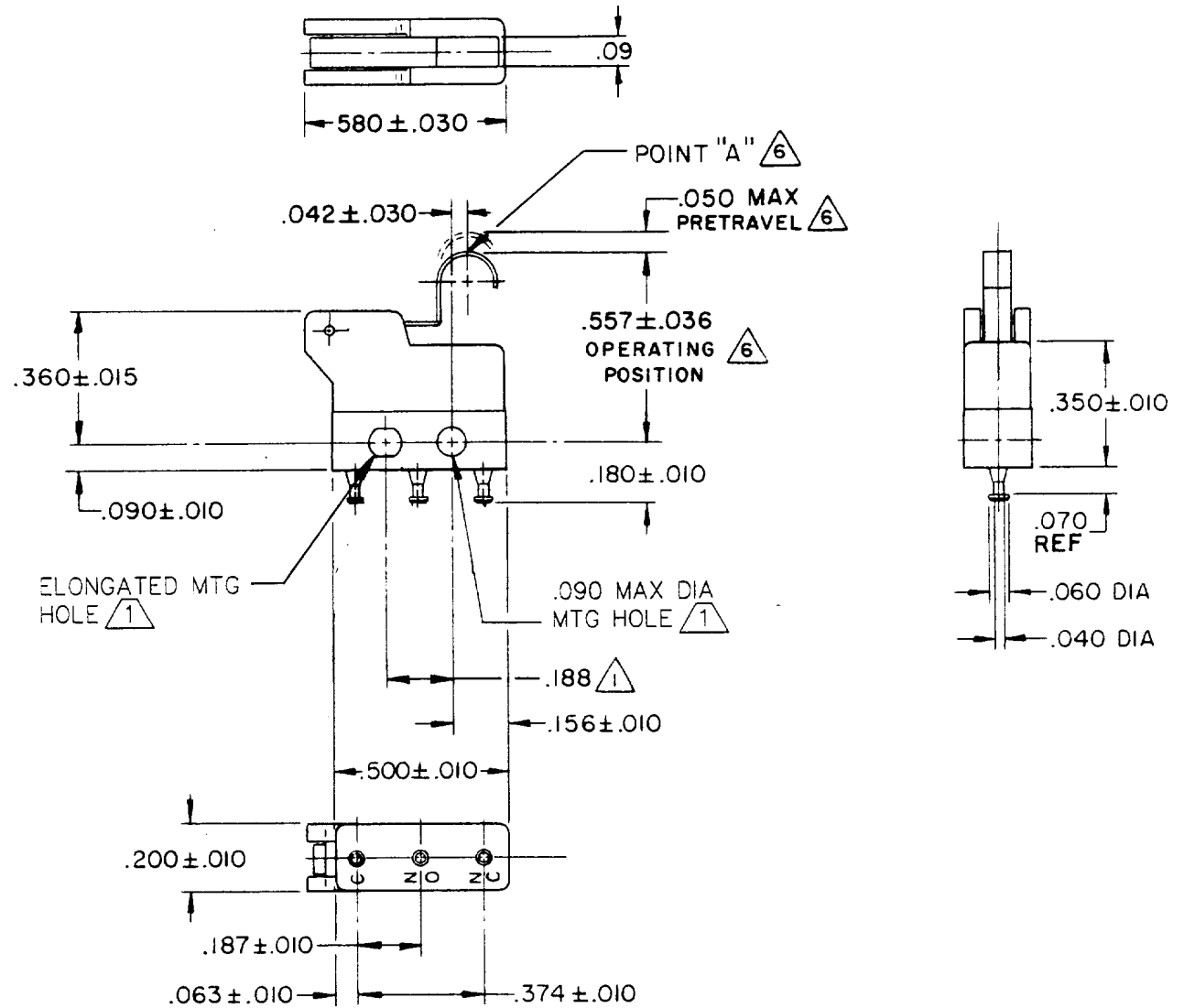
FREEPORT ILLINOIS, U.S.A  
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

# SWITCH - BASIC

CATALOG LISTING  
**313SX4-T**

PRODUCT CODE  
VDT0060



- NOTES
- 1 - MOUNTING HOLES WILL ACCEPT PINS OR SCREWS OF .087 MAX DIA ON .188 ± .002 CENTERS
  - 2 - TERMINALS ARE PLATED FOR SOLDERING
  - 3 - SWITCH WILL WITHSTAND TEMPERATURE OF 250° F
  - 4 - MOVABLE CONTACT MATERIAL - 24 K SOLID GOLD OVERLAY
  - 5 - STATIONARY CONTACT MATERIAL - GOLD ALLOY
  - 6 - CHARACTERISTICS ARE TAKEN AT POINT "A"

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## CHARACTERISTICS (6)

OPERATING FORCE ---- -60 GRAM MAX  
 RELEASE FORCE ---- -11 GRAM MIN  
 DIFFERENTIAL TRAVEL ---- -.015 MAX  
 OVERTRAVEL ---- -.010 MIN

## ELECTRICAL DATA

CONTACT ARRANGEMENT  
S P D T

30 VOLTS DC RATING

INDUCTIVE ---- SEA LEVEL ---- -0.5 AMP  
 50,000 FT ---- -0.5 AMP  
 RESISTIVE ---- SEA LEVEL ---- -1 AMP  
 50,000 FT ---- -1 AMP  
 MAXIMUM INRUSH ---- -2 AMP

SCALE 2 TO 1

DO NOT SCALE PRINT

UNLESS OTHERWISE NOTED  
 DIMENSIONS ARE IN INCHES  
**TOLERANCES ARE:**

ONE PLACE (.0)	.030
TWO PLACE (.00)	.015
THREE PLACE (.000)	.005
ANGLES	"

APPROVALS

KEMA, CE	1A 250V ~ T125 25E3	CE
UL, CSA	1A 125 VAC	BRAND L22J

WEIGHT .003 LB MAX

313SX4-T

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REPLACES

RELEASE NO. PR-2588

13 APR 05

AK

CHECK

72

20 MAR 74

2 MAY 72

9 OCT 79

2 MAY 82

4 MAY 82

25 DEC 87

4 MAY 82

25 DEC 87

4 MAY 82

14 NOV 91

2 MAY 72

4 JUN 92

2 MAY 72

1 SEP 00

2 MAY 72

13 APR 05

72

APR 72

LS D

13 APR 05

72

APR 72

LS D

72

FORMTEK

FO-50378-1A

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