



### 1SX1-T



*Actual product appearance may vary.*

**SX Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 7 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
- 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	Solder
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	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

## ISX1-T

FAA-PMA

PRODUCT CODE

### VDA0150

### JG-80901

# ISX1-T

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# M

DRAWING NUMBER

ISSUE

12

REPLACES

RELEASE NO.

04APR05

AK

CHECK

13AUG04

AK

CHECK

19NOV98

JAF

CHECK

19MARCH67

MBF

### REVISIONS

A CO15200  
M B F  
1 MARCH 67

B CO26629  
S R H  
2 JAN 70

C CO38372  
K P K  
11 MAR 77

D CO52300  
J A P  
5 JAN 83

E CO71574  
J A L  
4 JAN 92

F CO-93498  
MPO  
19 NOV 98

G 201033  
DLT  
18 AUG 00

H 0007288  
KR  
13AUG04

J 0012045  
KSR  
04APR05

04APR05

19MARCH67

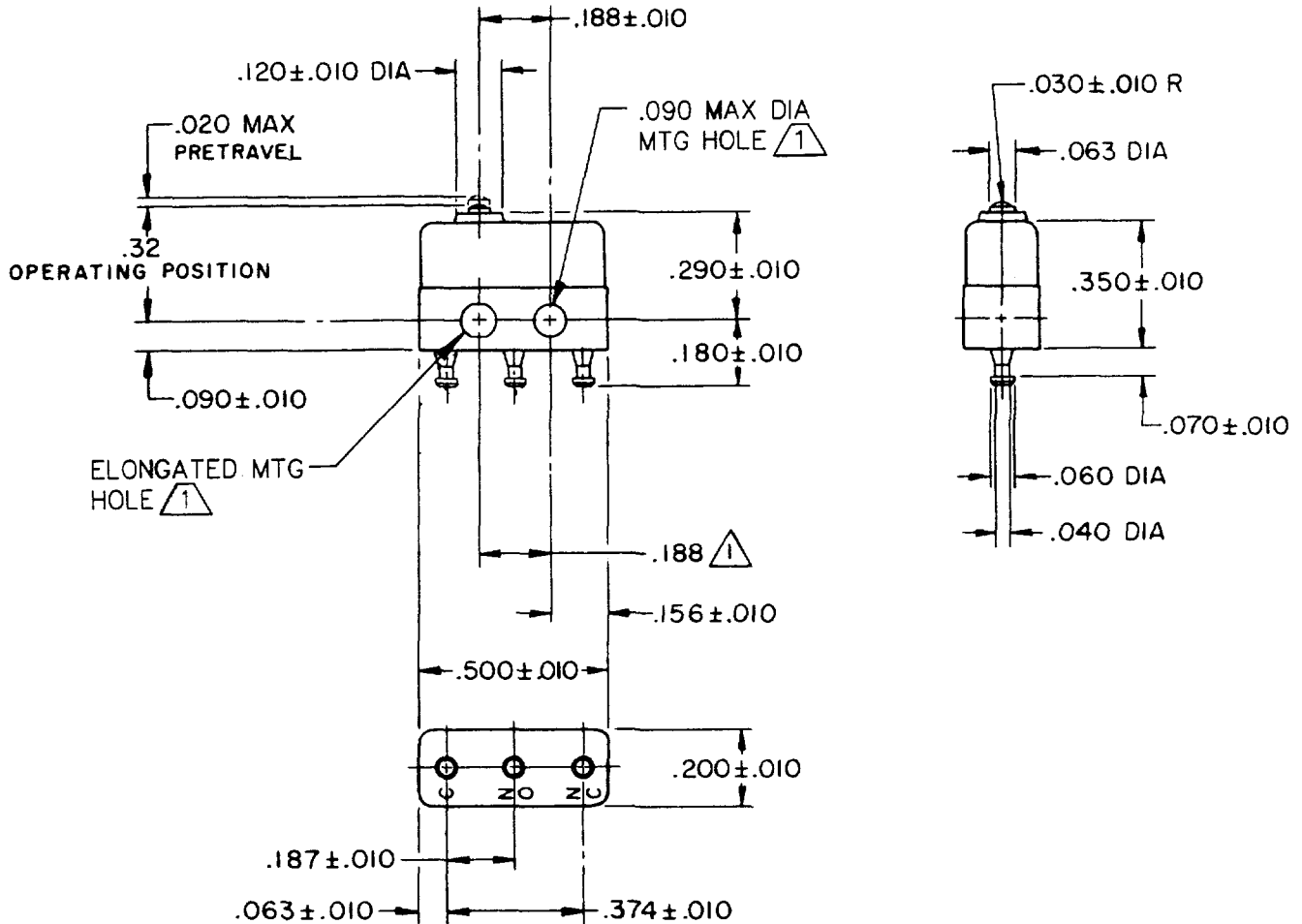
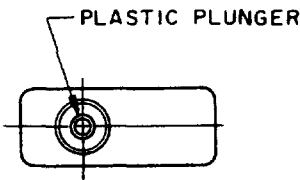
19NOV98

13AUG04

04APR05

RASTER

FO-50376



### 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 - FOR MANUFACTURING DETAIL SEE ASSEMBLY DRAWING 1SX1-T FOR FAA-PMA

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### CHARACTERISTICS

OPERATING FORCE ----- 5 OZ MAX

RELEASE FORCE ----- 1 OZ MIN

DIFFERENTIAL TRAVEL --- .005 MAX

OVERTRAVEL ----- .004 MIN

### ELECTRICAL DATA

CONTACT ARRANGEMENT  
S P D T

28 VOLTS DC RATING

INDUCTIVE ----- SEA LEVEL ----- 4 AMP  
50,000 FT ----- 2.5 AMP

RESISTIVE ----- SEA LEVEL ----- 7 AMP  
50,000 FT ----- 7 AMP

MAXIMUM INRUSH ----- 24 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 1°

WEIGHT .003 LB MAX

APPROVALS

KEMA, CE	7A 250V ~ T125 5E4		
UL, CSA	7A 250 VAC		BRAND L7
AVIATION	FAA-PMA		BRAND