11SX1-T

Actual product appearance may vary.

SX Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 3 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	3 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Pin Plunger
Termination	Solder
Operating Temperature Range	-55 °C to 125 °C [-67 °F to 257 °F]
Voltage	250 Vac
Approvals	CE,CSA,UL
Contact Type	Silver
Operating Force (O.F.)	0,97 N [3.5 oz] max.

Release Force (R.F.)	0,21 N [0.75 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.)	0,025 mm [0.001 in] max.
Operating Position (O.P.)	8,13 mm ± 0,38 mm [0.320 in ± 0.015 in]
Housing Material	General Purpose Phenolic
High Temperature	204 °C [400 °F]
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	Lowest differential travel
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	SX

FREEPORT, ILLINOIS, U.S.A.
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FED. MFG. CODE 91929

11SX1-T
PAGE 1 OF 1
REPLACES
PR-298
RELEASE NO. PR-298
DRAWING NUMBER
ISSUE 8

REVISIONS
A | PR-298
M B S
7 AUG 68
B | CO 24696
D A W
26 SEPT 68
C | CO 50063
T S K
5 OCT 81
D | CD71574
J A L
4 JUN 92
E | C094048
D L T
11 FEB 99
F | 201033
D L T
5 SEP 00
G | 0012146
SPK
05APR05

05APR05   AK   8 FEB 67   L S D   8 FEB 67

FORMTEK
FO-50376
DRAWN   M B F   8 FEB 67   CHECK

PLASTIC PLUNGER

.188±.010
.120±.010 DIA
.020 MAX PRETRAVEL
.32 OPERATING POSITION
.090±.010
ELONGATED MTG HOLE /1\
.290±.010
.180±.010
.090 MAX DIA MTG HOLE /1\
.188 /1\
.156±.010
.500±.010
.200±.010
G   NO   NC
.187±.010
.063±.010
.374±.010

.030±.010 SPHER R
.063 DIA
.350±.010
.070±.010
.060 DIA
.040 DIA
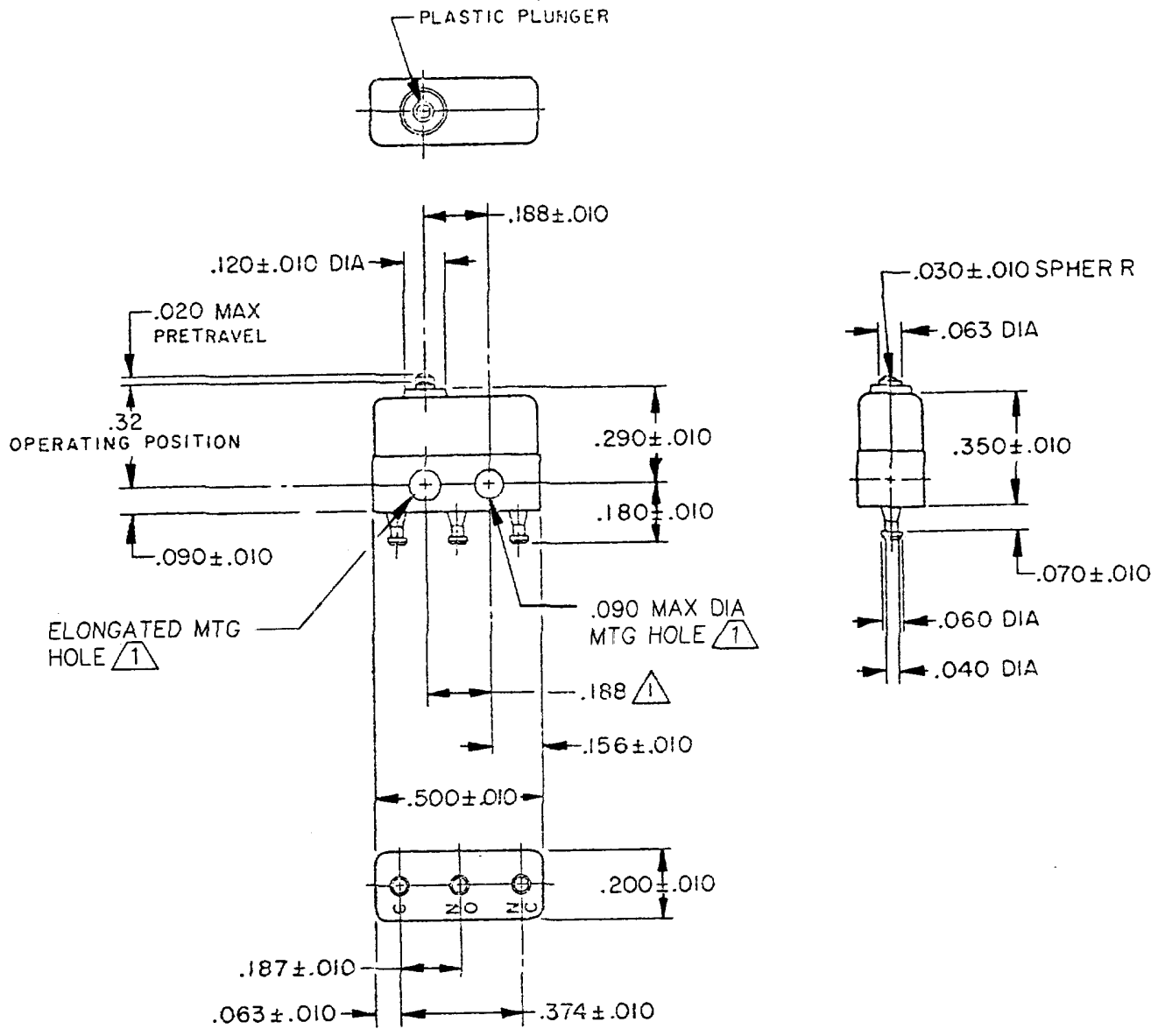
NOTES
/1\ MOUNTING HOLES WILL ACCEPT PINS OR SCREWS
   OF .087 MAX DIA ON .188±.002 CENTERS
2 - TERMINALS ARE PLATED FOR SOLDERING
3 - SWITCH WILL WITHSTAND TEMPERATURE OF 250° F

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CHARACTERISTICS	ELECTRICAL DATA		SCALE 2 TO 1
OPERATING FORCE — — — — 3.5 OZ MAX	CONTACT ARRANGEMENT SPDT		DO NOT SCALE PRINT
RELEASE FORCE — — — .75 OZ MIN	28 VOLTS DC RATING		UNLESS OTHERWISE NOTED
	INDUCTIVE - - - - SEA LEVEL - - - - 2 AMP		DIMENSIONS ARE IN INCHES
DIFFERENTIAL TRAVEL — — — .0010 MAX	RESISTIVE - - - - SEA LEVEL - - - - - 3 AMP		TOLERANCES ARE:
OVERTRAVEL — — — — — .004 MIN	KEMA ,CE	3A 250V ~ T125 5E4 05 CE	ONE PLACE (.0) ±.030 TWO PLACE (.00) ±.015 THREE PLACE (.000) ±.005 ANGLES
	UL, CSA	3A 250 VAC UL CSA BRAND L122A	WEIGHT .003 LB MAX