



11SM701-T



Actual product appearance may vary.

SM Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 4 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

Description

MICRO SWITCH™ SM Series subminiature basic switches are used for simple or precision on/off application needs. The MICRO SWITCH™ SM Series switches are slightly larger than the MICRO SWITCH™ SX Series switches. These switches combine small size and light weight with ample electrical capacity, precision operation and long life.

Potential 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

Product Specifications	
Switch Type	MICRO SWITCH™ 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	4 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,ENEC
Contact Type	Silver
Operating Force (O.F.)	0,56 N [2.0 oz] max.
Release Force (R.F.)	0,14 N [0.5 oz] min.
Pretravel (P.T.)	0,5 mm [0.020 in] max.
Overtravel (O.T.)	0,13 mm [0.005 in] min.
Differential Travel (D.T.)	0,051 mm [0.002 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	204 °C [400 °F]
CE mark	61058-1
UL File #	E12252
CSA File #	LR41372
Agency Approvals and Standards	1054
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	Lower force
Comment	Turret type solder terminals.
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	SM

MICRO SWITCH

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

FED. MFG. CODE 91929

SWITCH-BASIC

CATALOG LISTING
11SM701-T

DRAWING NUMBER
11SM701-T

PAGE 1 OF 1

ISSUE
M

7

REPLACES X 38169-SM

PR-275

RELEASE NO.

CHECK

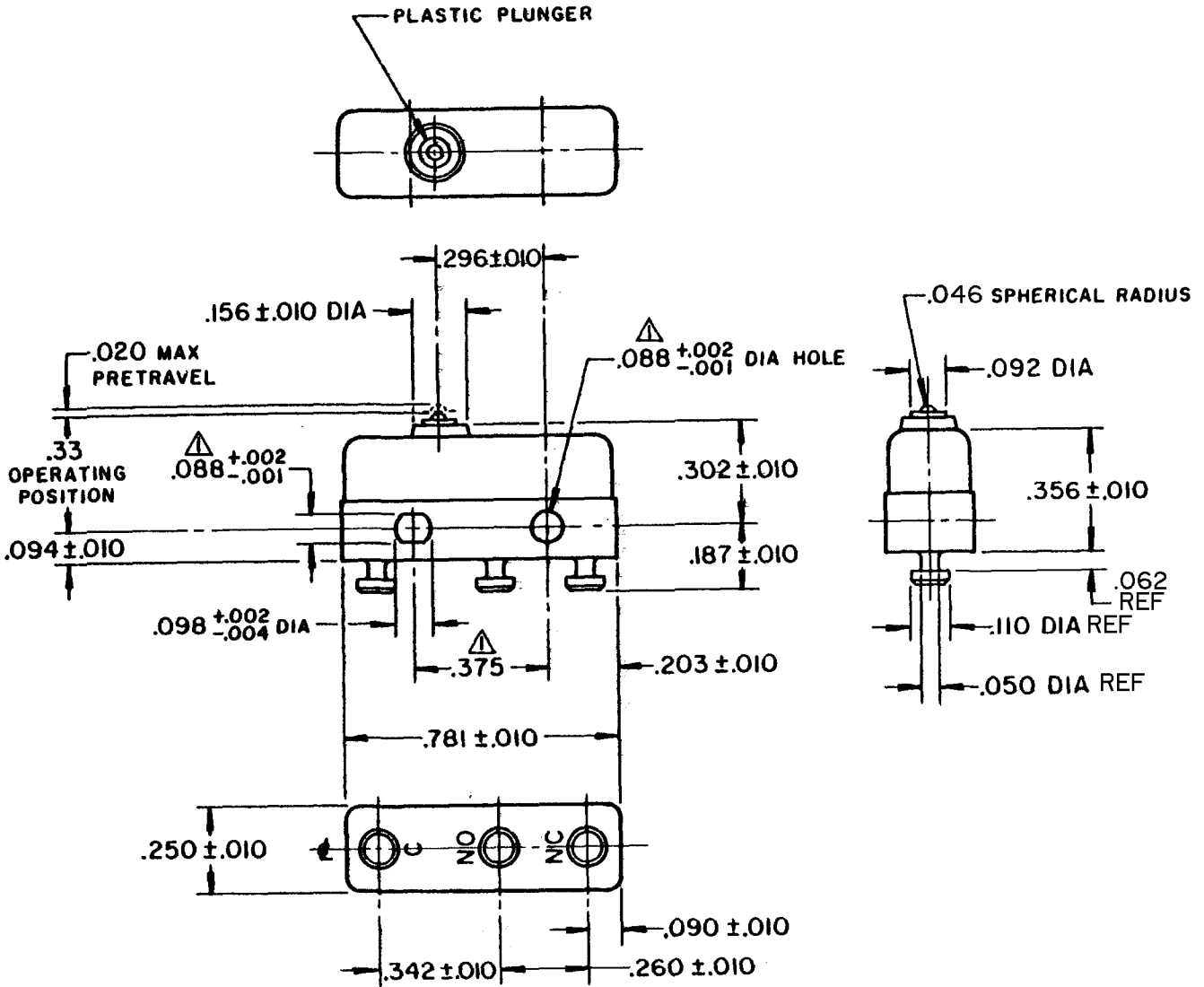
REVISIONS

A	DR 73	
	ORD 15 JAN 68	
B	PR-275	
	MBS 16 JULY 68	
C	CO 29449	
	D A W 13 APR 72	
D	CO80136	
	JAK 20 FEB 95	
E	CO-82803-E	
	DLT 13 JAN 97	
F	CO-95172	
	JJA 17 JUNE 99	

14 NOV 67

WEG 11 NOV 67

FORMTEK
DRAWN
11 NOV 67



NOTE -
 ▲-MOUNTING HOLES WILL ACCEPT PINS OR SCREWS OF .087 MAX DIA ON .375 ±.002 CENTERS
 2-TERMINALS ARE PLATED FOR SOLDERING

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CHARACTERISTICS	
OPERATING FORCE	-----56 GRAM MAX
RELEASE FORCE	-----14 GRAM MIN
DIFFERENTIAL TRAVEL	-----.002 MAX
OVERTRAVEL	-----.005 MIN

ELECTRICAL DATA	
CONTACT ARRANGEMENT SPDT	
30 VOLTS DC RATING	
INDUCTIVE	SEA LEVEL --- 3 AMP 50,000 FT --- 2.5 AMP
RESISTIVE	SEA LEVEL --- 5 AMP 50,000 FT --- 5 AMP
MAXIMUM INRUSH	-----24 AMP

SCALE 2:1
 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 ±

UNDERWRITERS' LAB. INC. LISTED RATING
 4A-250 VAC



-L119-

WEIGHT .006 LB MAX