



### 311SX1-T



*Actual product appearance may vary.*

**SX Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 5 A, Straight Lever 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	5 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Straight Lever
Termination	Solder
Operating Temperature Range	-55 °C to 125 °C [-67 °F to 257 °F]
Voltage	250 Vac
Approvals	CE, CSA, UL
Actuator Length	3,43 mm [0.135 in]
Contact Type	Silver

Operating Force (O.F.)	0,49 N [1.76 oz] max.
Release Force (R.F.)	0,09 N [0.32 oz] min.
Pretravel (P.T.)	1,65 mm [0.065 in] max.
Overtravel (O.T.)	0,36 mm [0.014 in] min.
Differential Travel (D.T.)	0,51 mm [0.020 in] max.
Operating Position (O.P.)	8,43 mm $\pm$ 1,14 mm [0.332 in $\pm$ 0.045 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	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]
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	SX

# MICRO SWITCH

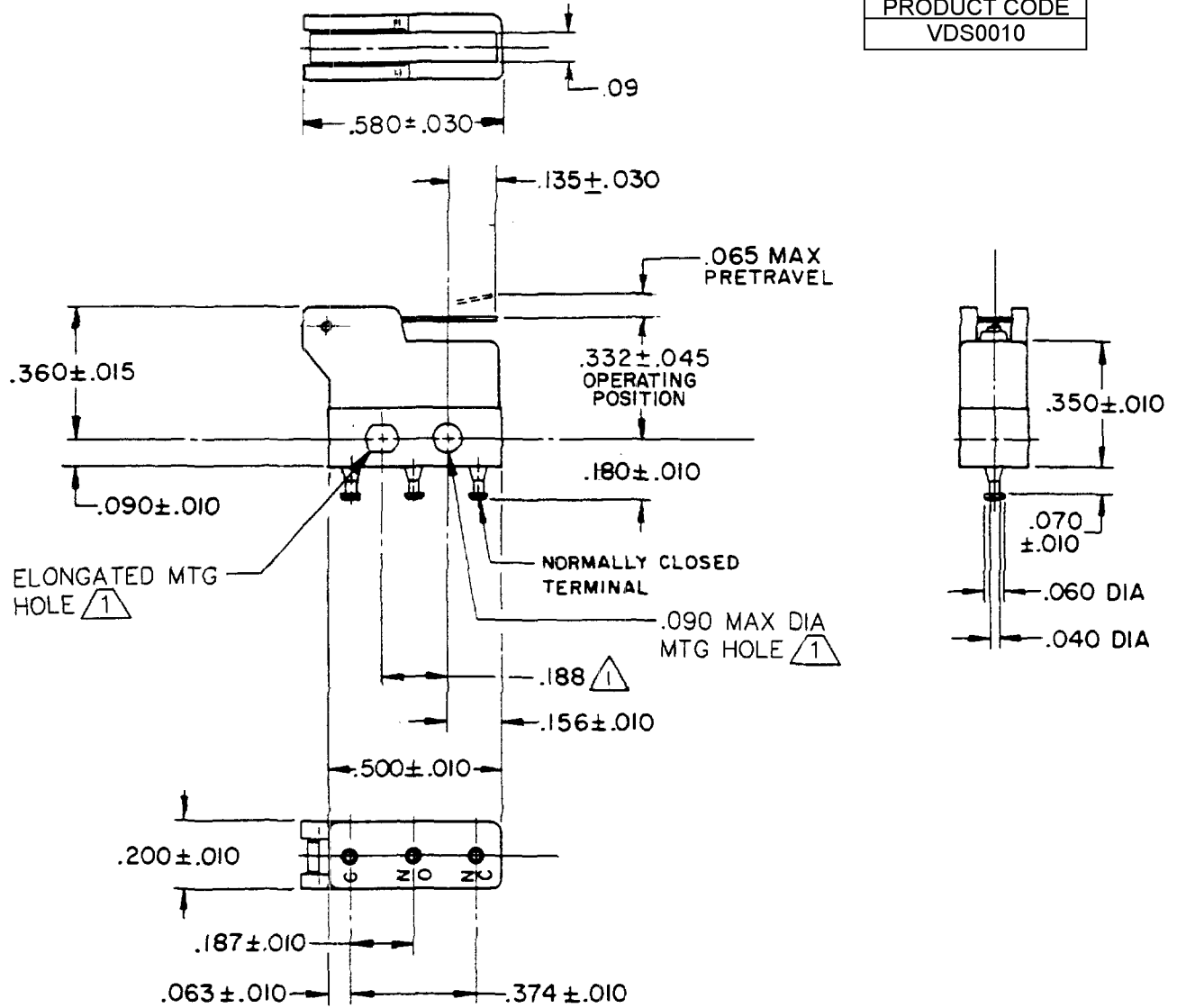
FREEPORT ILLINOIS, U.S.A  
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

# SWITCH - BASIC

311SXI-T

PRODUCT CODE  
VDS0010



- NOTE -
- 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

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.

311SXI-T  
 PAGE 1 OF 1  
 M  
 DRAWING NUMBER  
 ISSUE  
 11  
 RELEASE NO. PR-861  
 REPLACES X41461-SX  
 CHECK  
 11APR05  
 AK  
 CHECK  
 1 MAY 69  
 J MAY 69  
 J FEB 69  
 DRAWN  
 RASTER  
 50378-1A  
 11APR05  
 19 FEB 69

CHARACTERISTICS	
OPERATING FORCE	50 GRAM MAX
RELEASE FORCE	9 GRAM MIN
DIFFERENTIAL TRAVEL	.020 MAX
OVERTRAVEL	.014 MIN

ELECTRICAL DATA	
CONTACT ARRANGEMENT SPDT	
28 VOLTS DC RATING	
INDUCTIVE	SEA LEVEL 3 AMP
	50,000 FT 2 AMP
RESISTIVE	SEA LEVEL 5 AMP
	50,000 FT 4 AMP
115 VOLTS AC, 60 CPS	
INDUCTIVE	SEA LEVEL 5 AMP
RESISTIVE	SEA LEVEL 5 AMP

SCALE	2 TO 1
DO NOT SCALE PRINT	
UNLESS OTHERWISE NOTED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ARE:	
ONE PLACE	(.01) ±.030
TWO PLACE	(.00) ±.015
THREE PLACE	(.000) ±.005
ANGLES	
WEIGHT	.003 LB MAX

APPROVALS

KEMA, CE	5A 250V ~ T125 5E4	05	CE
UL, CSA	5A 250 VAC	UL	BRAND L4L