



311SX5-T



Actual product appearance may vary.

SX Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 5 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	5 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Simulated Roller 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	11,7 mm [0.459 in]

Contact Type	Silver
Operating Force (O.F.)	0,31 N [1.1 oz] max.
Release Force (R.F.)	0,05 N [0.176 oz] min.
Pretravel (P.T.)	2,67 mm [0.105 in] max.
Overtravel (O.T.)	0,56 mm [0.022 in] min.
Differential Travel (D.T.)	0,89 mm [0.035 in] max.
Operating Position (O.P.)	14,86 mm \pm 1,65 mm [0.585 in \pm 0.065 in]
Housing Material	General Purpose Phenolic
High Temperature	204 °C [400 °F]
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

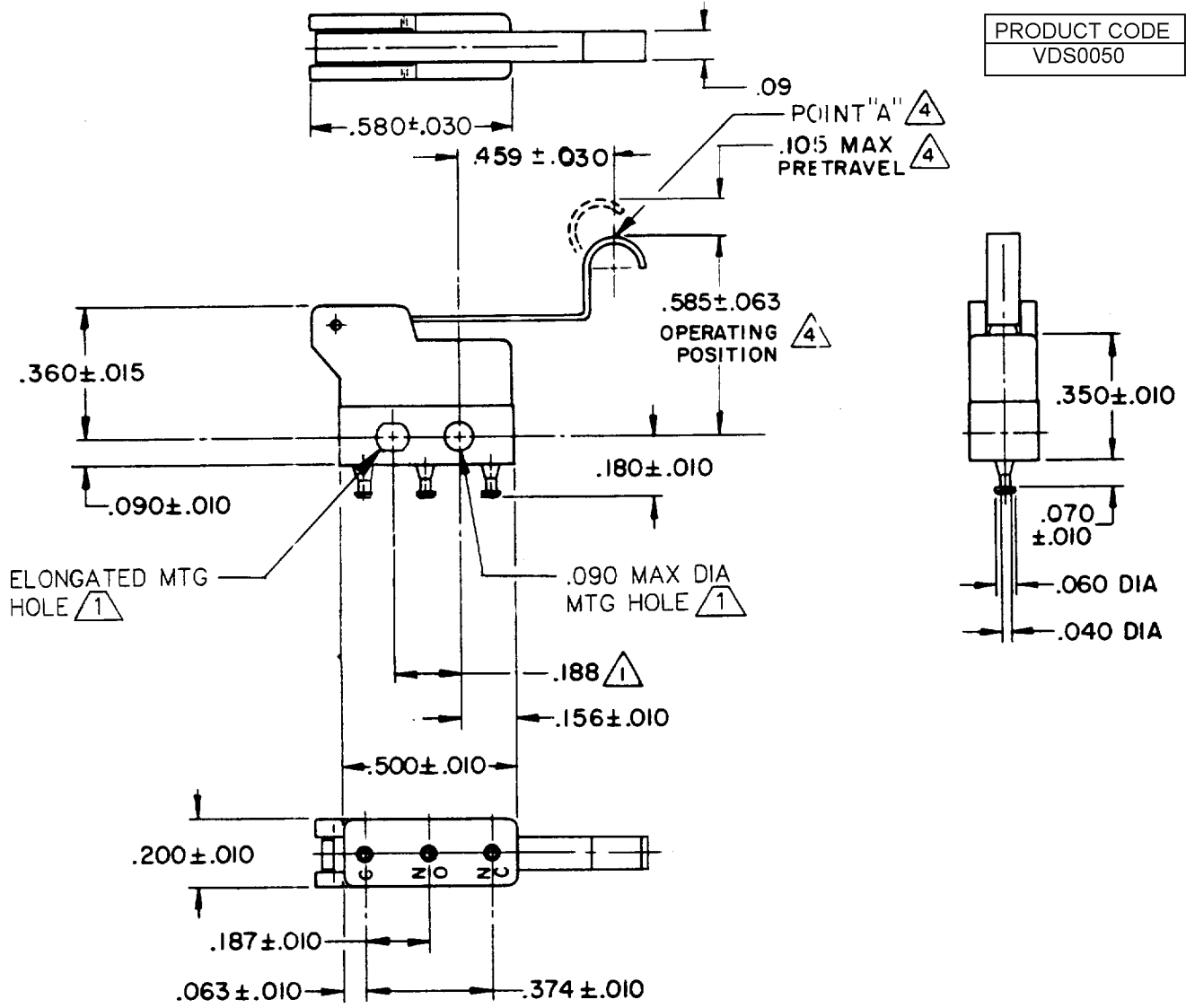
FREEMONT ILLINOIS, U.S.A.
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

SWITCH-BASIC

311SX5-T

PRODUCT CODE
VDS0050



- NOTES
- (1) MOUNTING HOLE WILL ACCEPT PINS OR SCREWS OF .087 MAX DIA ON $.188 \pm .002$ CENTERS
 - 2 - TERMINALS ARE PLATED FOR SOLDERING
 - 3 - SWITCH WILL WITHSTAND TEMPERATURE OF 250° F
 - (4) CHARACTERISTICS ARE TAKEN AT POINT "A"

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.

CHARACTERISTICS	ELECTRICAL DATA	SCALE FULL
OPERATING FORCE ----- 30GRAM MAX	CONTACT ARRANGEMENT S P D T	DO NOT SCALE PRINT
RELEASE FORCE ----- 5 GRAM MIN	28 VOLTS DC RATING INDUCTIVE ----- SEA LEVEL ----- 3 AMP 50,000 FT ----- 2 AMP RESISTIVE ----- SEA LEVEL ----- 5 AMP 50,000 FT ----- 4 AMP	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES TOLERANCES ARE:
DIFFERENTIAL TRAVEL ----- .035 MAX	115 VOLTS AC, 60 CPS INDUCTIVE ----- SEA LEVEL ----- 5 AMP RESISTIVE ----- SEA LEVEL ----- 5 AMP	ONE PLACE (.0) ±.030 TWO PLACE (.00) ±.015 THREE PLACE (.000) ±.005 ANGLES
OVERTRAVEL ----- .022 MIN		WEIGHT
APPROVALS	KEMA, CE 5A 250V ~ T125 5E4 UL, CSA 5A 250 VAC	05 CE BRAND L4L

311SX5-T
 PAGE 1 OF 1
 M
 DRAWING NUMBER
 ISSUE 11
 REVISIONS
 A PR-861 CO26311 3 SEP 69
 B CO 27064 SRH 18 MAR 70
 C CO27302 MBS 15 APR 70
 D CO27999 MBS 25 SEP 70
 E CO28341 MJB 18 DEC 70
 F CO 46560 KAK 11 OCT 79
 G CO 5432 JBS 29 DEC 87
 H CO71574 JAL 4 JUN 92
 J 201033 DLT 23 AUG 00
 K 0012136 KR 11 APR 05
 GFS 19 FEB 69
 RASTER
 FO-80378-1A
 DRAWN
 CHECK
 11 APR 05
 1 MAY 69
 19 FEB 69
 11 APR 05

REPLACES X41463-SX
 RELEASE NO. PR-861
 CHECK
 11 APR 05
 AK
 CHECK
 1 MAY 69
 DCS
 CHECK
 19 FEB 69