



311SX4-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	1,1 mm [0.042 in]

Contact Type	Silver
Operating Force (O.F.)	0,58 N [2.1 oz] max.
Release Force (R.F.)	0,11 N [0.39 oz] min.
Pretravel (P.T.)	1,27 mm [0.050 in] max.
Overtravel (O.T.)	0,25 mm [0.010 in] min.
Differential Travel (D.T.)	0,38 mm [0.015 in] max.
Operating Position (O.P.)	14,15 mm \pm 0,91 mm [0.557 in \pm 0.036 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

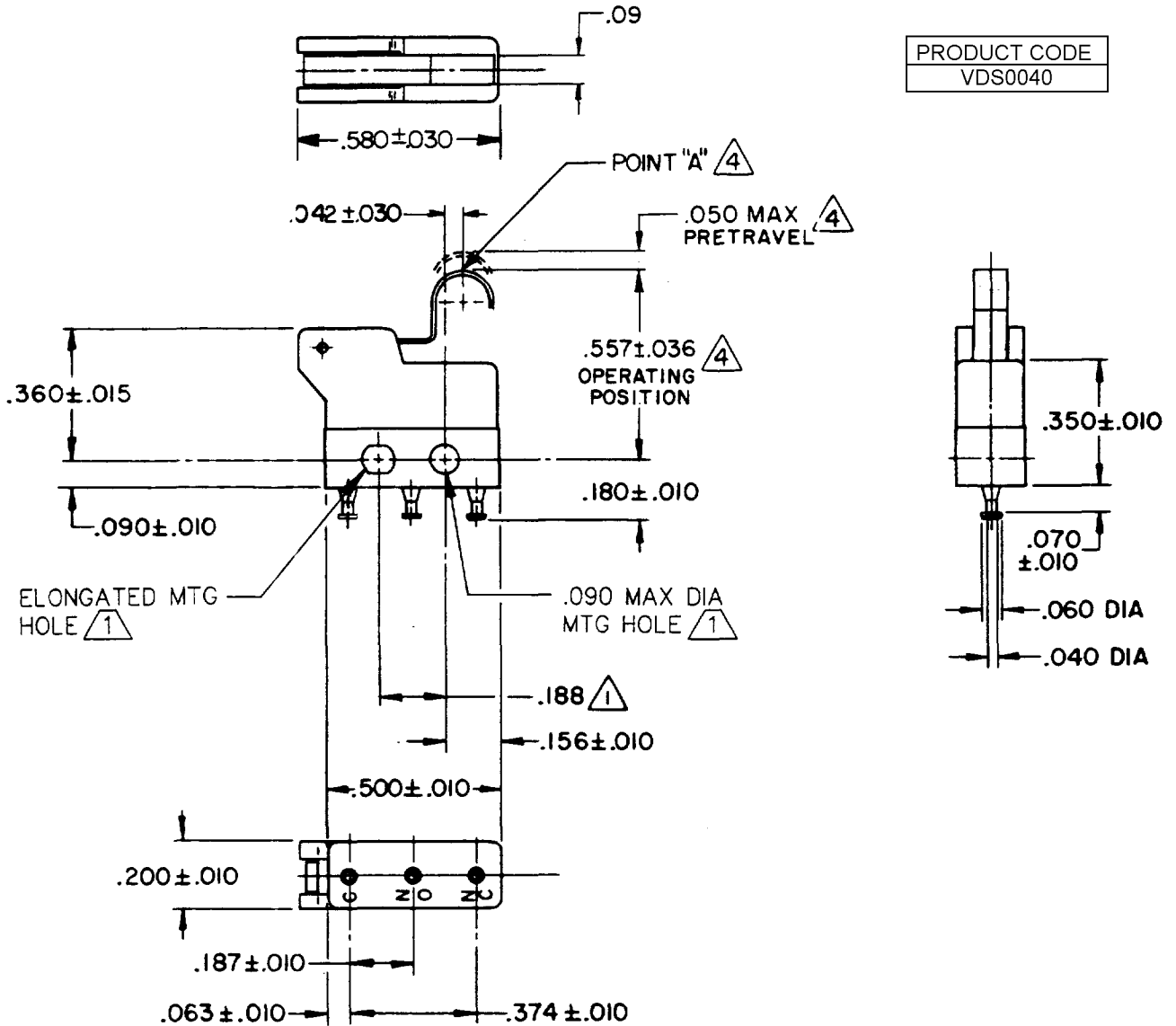
FREEPORT ILLINOIS U S A
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

SWITCH-BASIC

CATALOG LISTING
311SX4-T

PRODUCT CODE
VDS0040



- 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
 - 4 CHARACTERISTICS ARE TAKEN AT POINT "A"

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CHARACTERISTICS

OPERATING FORCE ----- 60 GRAM MAX
RELEASE FORCE ----- 11 GRAM MIN
DIFFERENTIAL TRAVEL ----- .015 MAX
OVERTRAVEL ----- .010 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 (.0) ± .030
TWO PLACE (.00) ± .015
THREE PLACE (.000) ± .005
ANGLES ±

WEIGHT .003 LB MAX

APPROVALS

KEMA, CE
UL, CSA

5A 250V ~ T125 5E4
5A 250 VAC



BRAND L4L

CATALOG LISTING
311SX4-T
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DRAWING NUMBER

ISSUE
X 13
X 8
X 8

REPLACES X41462-SX

RELEASE NO. PR - 861

CHECK

REVISIONS

A 201033
DLT
22 AUG 00
B 0012136
KR
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1 MAY 69

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