



4SX1-T



Actual product appearance may vary.

SX Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 7 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	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	7 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Pin Plunger
Termination	Solder
Operating Temperature Range	-55 °C to 204 °C [-65 °F to 400 °F]
Voltage	250 Vac
Approvals	CE,CSA,UL
Contact Type	Silver
Operating Force (O.F.)	1,39 N [5.0 oz] max.

Release Force (R.F.)	0,28 N [1.0 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.)	0,13 mm [0.005 in] max.
Operating Position (O.P.)	8,13 mm $\pm$ 0,38 mm [0.320 in $\pm$ 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 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	Operating in temperatures to 204 °C [400 °F] for 100 hours
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	SX

MICRO SWITCH

A DIVISION OF MINNEAPOLIS-HONEYWELL REGULATOR COMPANY
MINNEAPOLIS, MINNESOTA

FED. MFR. CODE 91929

SWITCH-BASIC

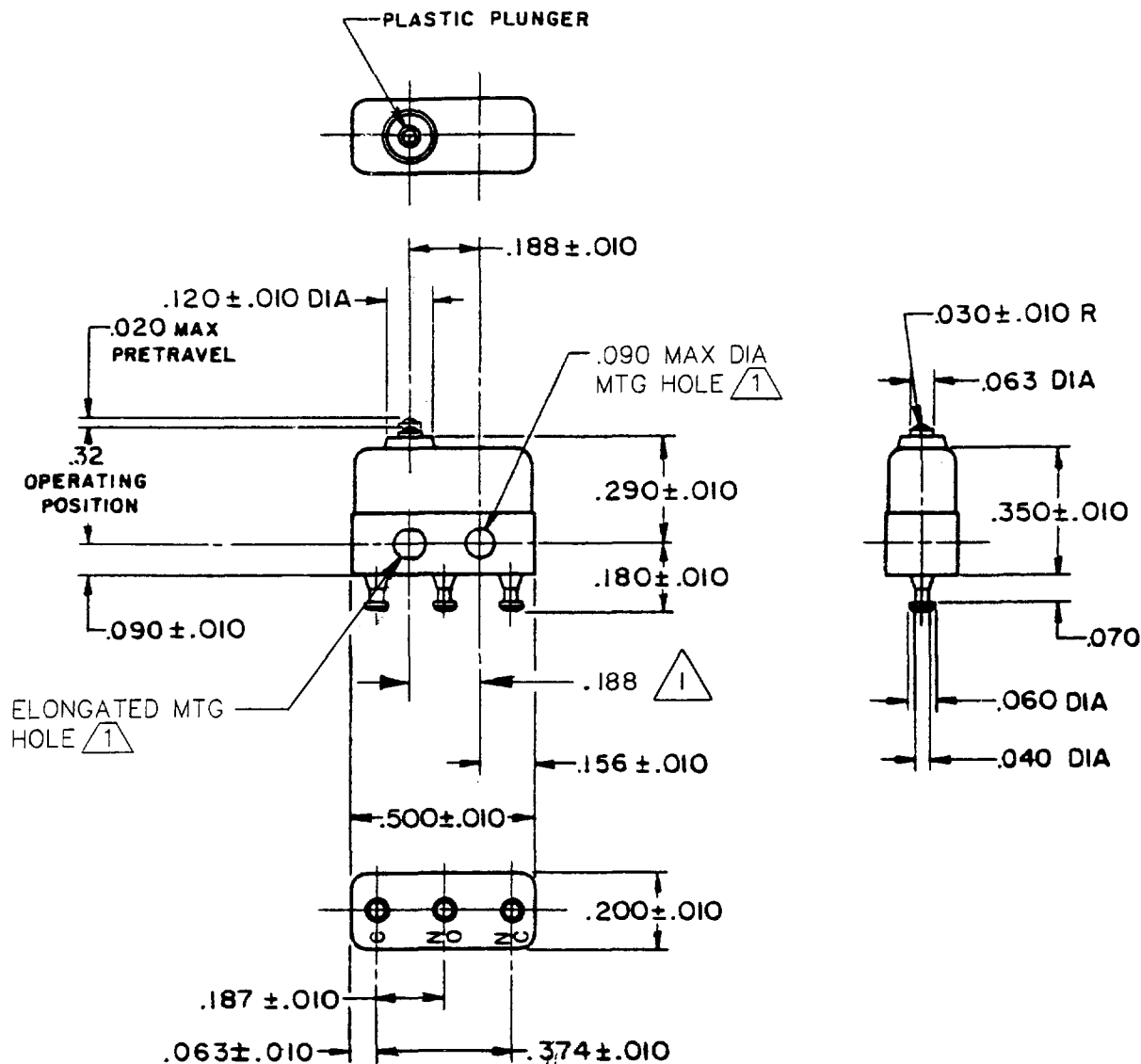
CATALOG LISTING

4SX1-T

PRODUCT CODE:

VDF0150

PLASTIC PLUNGER



NOTES

- $\triangle 1$ MOUNTING HOLES 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 400° F

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CHARACTERISTICS

OPERATING FORCE ——— 5 OZ MAX

RELEASE FORCE ——— 1 OZ MIN

DIFFERENTIAL TRAVEL ——— .005 MAX

OVERTRAVEL ——— .004 MIN

ELECTRICAL DATA

CONTACT ARRANGEMENT
SPDT

28 VOLTS DC RATING

INDUCTIVE ——— SEA LEVEL ——— 4 AMP
50,000 FT ——— 2.5 AMP

RESISTIVE ——— SEA LEVEL ——— 7 AMP
50,000 FT ——— 7 AMP

MAXIMUM INRUSH ——— 24 AMP

SCALE 2 TO 1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

ONE PLACE	(.0)	$\pm .030$
TWO PLACE	(.00)	$\pm .015$
THREE PLACE	(.000)	$\pm .005$
ANGLES		$\pm$

WEIGHT .003 LB MAX

APPROVALS

KEMA, CE

7A 250V ~ T125 5E4

05 CE

UL, CSA

7A 250 VAC

UL

BRAND L7

4SX1-T

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M

DRAWING NUMBER

8

7

ISSUE

REVISIONS

A CO18117

JAN 17 JUL 63

B CO24353

MBS 9 OCT 68

C CO44662

DJW 13 SEP 78

D CO52300

JAP 5 JAN 83

E CO71574

JAL 4 JAN 92

F 201033

DLT 18 AUG 00

G 0012049

SPK 05 APR 05

REPLACES

RELEASE NO. SR 9107

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