



### 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  
PINEBROOK, ALABAMA



FED. MFR. CODE 91929

# SWITCH-BASIC

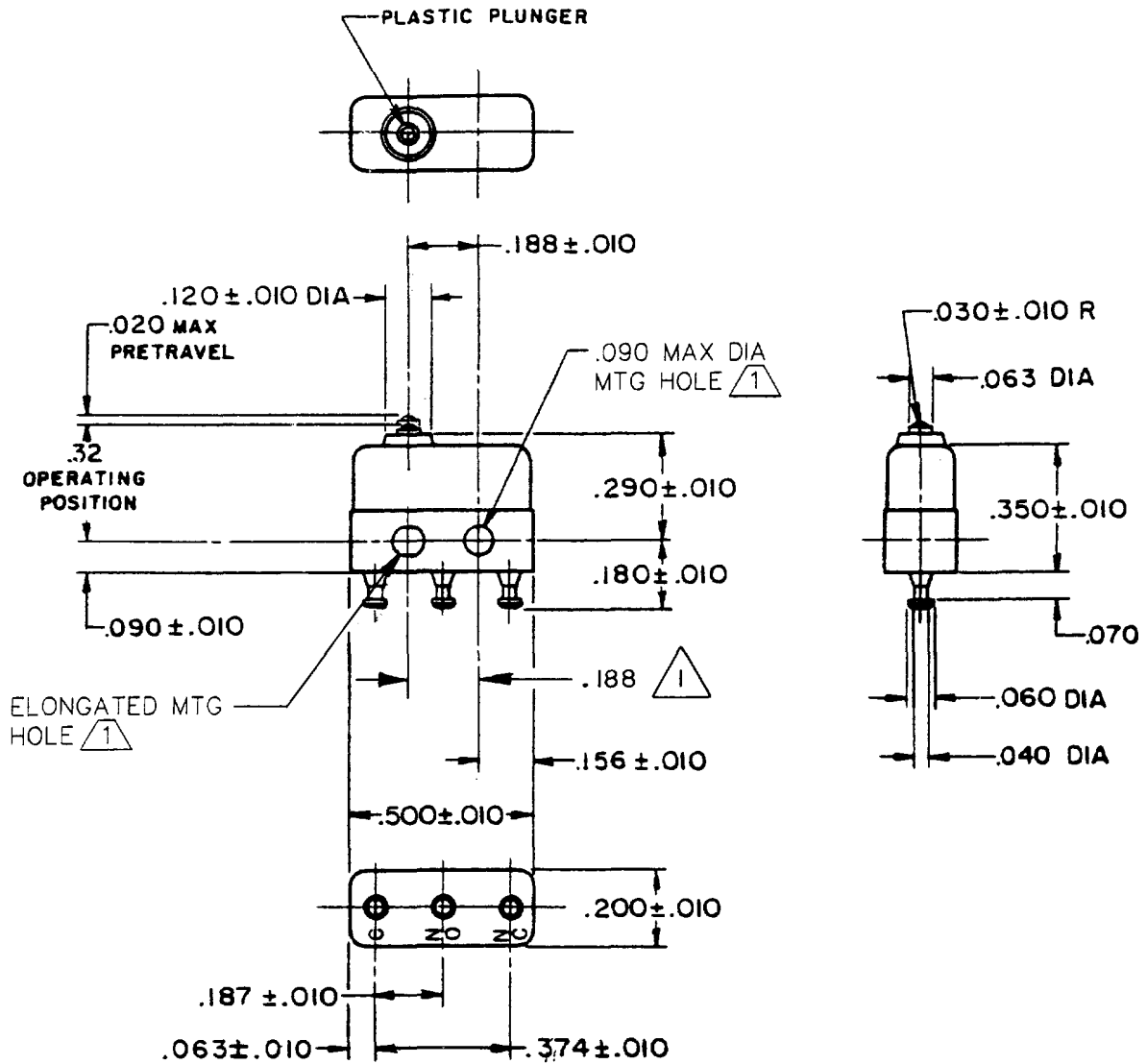
CATALOG LISTING

## 4SX1-T

PRODUCT CODE:

VDF0150

**4SX1-T**  
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**M**  
 DRAWING NUMBER  
**8**  
 ISSUE  
 RELEASE NO. SR 9107  
 REPLACES  
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**NOTES**

- $\Delta 1$  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 400° F

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CHARACTERISTICS		ELECTRICAL DATA		SCALE 2 TO 1	
OPERATING FORCE ----- 5 OZ MAX		CONTACT ARRANGEMENT S P D T		DO NOT SCALE PRINT	
RELEASE FORCE ----- 1 OZ MIN		28 VOLTS DC RATING		UNLESS OTHERWISE SPECIFIED	
DIFFERENTIAL TRAVEL ----- .005 MAX		INDUCTIVE ----- SEA LEVEL ----- 4 AMP		DIMENSIONS ARE IN INCHES	
OVERTRAVEL ----- .004 MIN		50,000 FT ----- 2.5 AMP		TOLERANCES ARE:	
		RESISTIVE ----- SEA LEVEL ----- 7 AMP		ONE PLACE (.0) ± .030	
		50,000 FT ----- 7 AMP		TWO PLACE (.00) ± .018	
		MAXIMUM INRUSH ----- 24 AMP		THREE PLACE (.000) ± .008	
				ANGLES ±	
APPROVALS		KEMA, CE	7A 250V ~ T125 5E4	CE	
		UL, CSA	7A 250 VAC	BRAND L7	
				WEIGHT .003 LB MAX	