



3SX1-T



Actual product appearance may vary.

SX Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 125 Vac, 1 A, Pin Plunger Actuator, Solder Termination, Military Part Number M8805/109-03

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

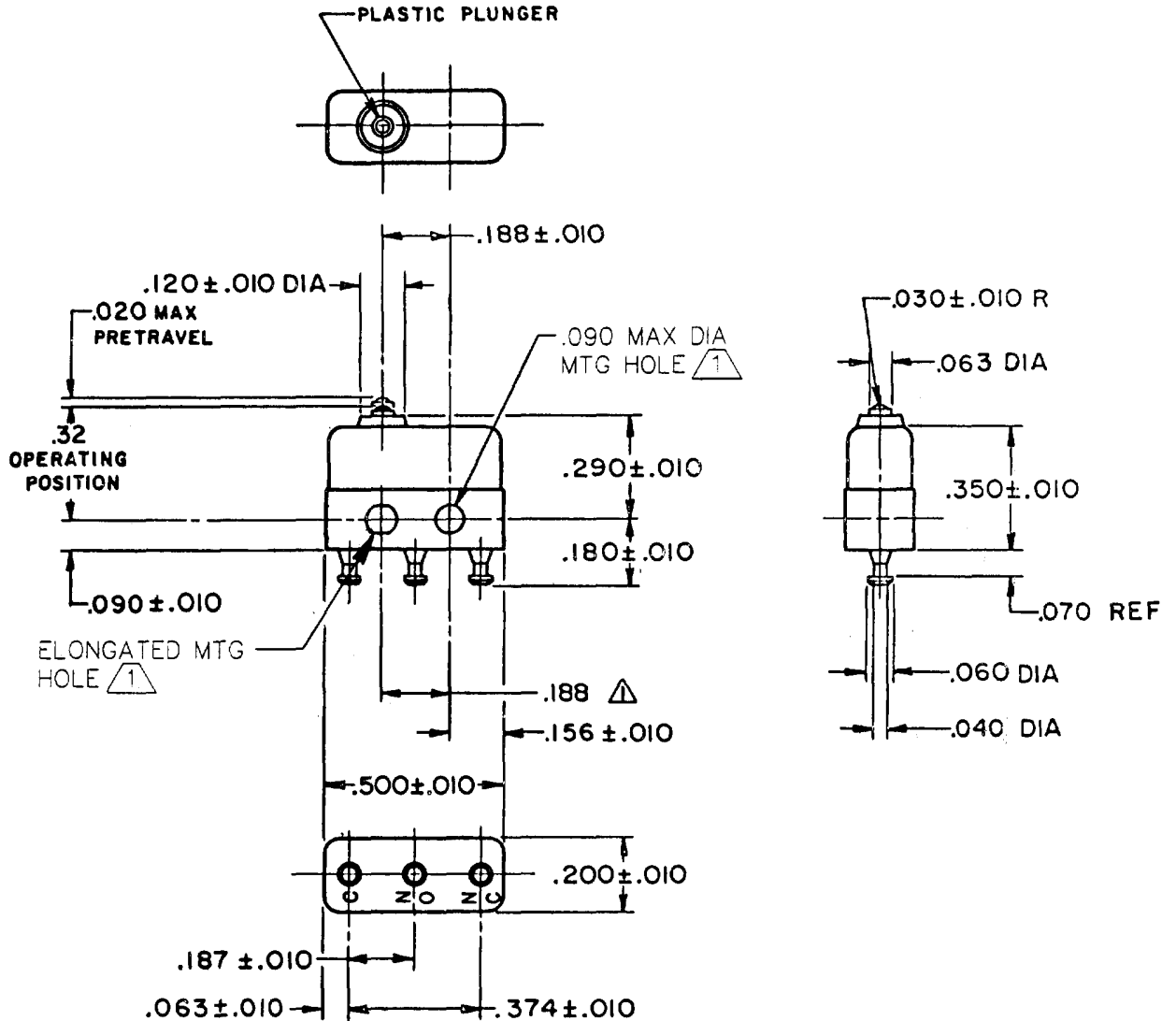
Description

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	1 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Pin Plunger
Termination	Solder
Operating Temperature Range	-53 °C to 85 °C [-65 °F to 185 °F]
Voltage	125 Vac
Contact Type	Gold
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
Military Part Number	M8805/109-03
Mounting Screw Size	22,1 mm [0.087 in]
Mounting Centers	4,8 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	3,96 mm [0.156 in]
Package Length	12,7 mm [0.50 in]
Recommended For	MIL-S-8805 applications
Comment	Turret type solder terminals, 3,96 mm [0.156 in] wide package.
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	SX

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 DRAWING NUMBER
 11
 ISSUE
 13 APR 05
 RELEASE NO. SR 8806
 REPLACES
 13 APR 05
 CHECK
 AK
 26 FEB 60
 CHECK
 RPH
 26 FEB 60
 CHECK
 DAW
 26 FEB 60
 CHECK
 DLT
 23 AUG 00
 0012138
 VCR
 13 APR 05
 24 FEB 60
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 1 Y O



- NOTES**
- 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-MOVABLE CONTACT MATERIAL-24K SOLID GOLD OVERLAY
 - 5-STATIONARY CONTACT MATERIAL-GOLD ALLOY

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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	
30 VOLTS DC RATING	
INDUCTIVE	SEA LEVEL ---- 0.5 AMP
	50,000 FT ---- 0.5 AMP
RESISTIVE	SEA LEVEL ---- 1 AMP
	50,000 FT ---- 1 AMP
MAXIMUM INRUSH ---- 2 AMP	

SCALE 2 TO 1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
 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	1A 250V ~ T125 25E3	UL, CSA	1A 125 VAC	BRAND L22J
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