Basic Switches
Subminiature

SX Series

GENERAL INFORMATION

SX subminiature basic switches are small snap-action switches from MICRO SWITCH. These switches are ideal where savings in space and weight are important. Unless otherwise noted, all listings have silver contacts.

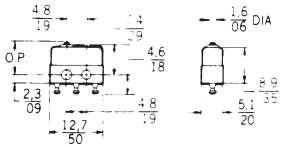
FEATURES

- Power load switching capability up to 7 amperes — silver contacts
- Optional gold contacts for low energy applications
- Optional bifurcated gold contacts for maximum reliability
- Long mechanical life of 10,000,000 cycles — 95% survival for 11SX series
- Temperature tolerance −65° to + 250°F (−54° to 121°C) on standard construction
- High temperature designs for up to + 400°F (204°C)
- Variety of integral and auxiliary actuators
- Choice of several terminal styles
- Listings available which meet MIL-S-8805 qualified products list
- UL recognized, CSA certified

TYPICAL DIMENSIONS/ TERMINALS

(For reference only)

T Type terminals



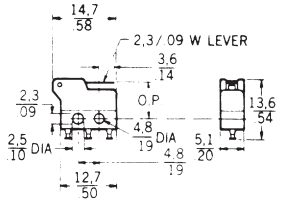
MOUNTING HOLES ACCEPT PINS OR SCREWS OF 2.3/.09 DIA

PIN PLUNGER ORDER GUIDE

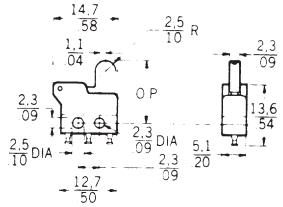
Catalog Listing	Recommended For	Electrical Data and UL Codes	O.F. newtons ounces	O.T. min. mm inches	D.T. mm inches	O.P.* mm inches
11SX21-T	Most applications	5 Amps **L4**	0,70-1,39 **2.5-5**	0,1 **.004**	0,051 **.002**	8,13 **.320**
1SX1-T	Up to 7 amps load handling	7 Amps **L7**	1,39 **5**	0,1 **.004**	0,13 **.005**	8,13 **.320**
11SX1-T	Lowest differential travel	3 Amps **L122**	0,97 **3.5**	0,1 **.004**	0,025 **.001**	8,13 **.320**
3SX1-T	Applications requiring gold contacts	1 Amp **L22**	1,39 **5**	0,1 **.004**	0,13 **.005**	8,13 **.320**
21SX39-T (MS24547-1)	MIL-S-8805 application requirements + 180°F (82°C) maximum use	7 Amps **—**	1,39 **5**	0,1 **.004**	0,13 **.005**	8,13 **.320**
23SX39-T (MS24547-2)	MIL-S-8805 application requirements for gold contacts + 180°F (82°C) maximum use	1 Amp **L22**	1,39 **5**	0,1 **.004**	0,13 **.005**	8,13 **.320**
4SX1-T	Operating in temperatures to + 400°F (204°C)	7 Amps **L7**	1,39 **5**	0,1 **.004**	0,13 **.005**	8,13 **.320**
12SX2-T	Best reliability (Bifurcated gold contacts	1 Amp **L22**	0,70-1,39 **2.5-5**	0,1 **.004**	0,051 **.002**	8,13 **.320**

* ±0,38 mm ±.015 in.

311SX1-T



311SX4-T



INTEGRAL LEVER ORDER GUIDE

Catalog Listing	Recommended For	Electrical Data and UL Codes	O.F. newtons ounces	O.T. min. mm inches	D.T. mm inches	O.P.* mm inches
311SX1-T	.135 inch (3,43 mm) straight lever	5 Amps **L4**	0,49 **1.76**	0,36 **.014**	0,51 **.020**	8,43 ±1,14 **.332 ±.045**
311SX2-T	.505 inch (12,8 mm) straight lever	5 Amps **L4**	0,31 **1.1**	0,64 **.025**	0,89 **.035**	8,26 ±1,91 **.325 ±.075**
311SX3-T	.965 inch (24,5 mm) straight lever	5 Amps **L4**	0,20 **.71**	1,17 **.046**	1,52 **.060**	7,75 ±2,92 **.305 ±.115**
311SX4-T	.042 inch (1,1 mm) simulated roller lever	5 Amps **L4**	0,58 **2.1**	0,25 **.010**	0,38 **.015**	14,15 ±0,91 **.557 ±.036**
311SX5-T	.459 inch (11,7 mm) simulated roller lever	5 Amps **L4**	0,31 **1.1**	0,56 **.022**	0,89 **.035**	14,86 ±1,65 **.585 ±.065**