BASICS

SINGLE BREAK, SNAP-ACTION, COMMERCIAL & MILITARY GRADES, ULTRA SMALL SUBMINIATURE

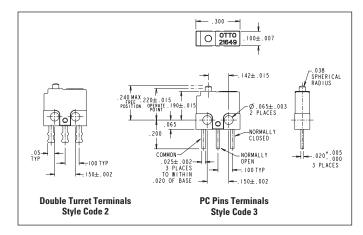
The B1 series basic switches are ultra-subminiature in size, designed to reliably switch low level signals as well as up to 2 amps switching capacity for a minimum of 25,000 cycles. Mechanical life expectancy is in excess of one million cycles.

The molded housing is rugged and structurally stable. The terminals are molded-in and sealed against solder flux entering the switch. The terminals are available in a choice of double turret solder style and 0.020" x 0.025" PC pins.

The B1 series is also available with integral lever actuators as B1-5 series.

Features:

- Ultra-compact: only 0.300" w x 0.255" h x 0.100" thick
- 1 million cycle life, B1-5 Series
- Low level or logic level switching capability
- Designed in accordance with MIL-PRF-8805/94
- **Available in Commercial & Military grades**
- Choice of solder or PC molded-in terminals
- **Precision operating points**
- **RoHS/WEEE/Reach compliant**

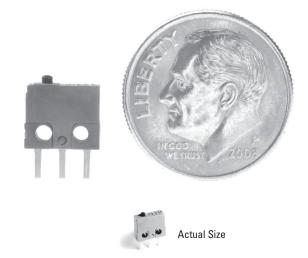


ORDERING INFORMATION:

B1 Basic

Select the OTTO B1 basic switch to match your specific circuit and mechanical requirements. To order, specify your requirement using the OTTO Part Number Code shown below.

Example: B1-12111 specifies Military grade construction, double turret terminals, 6 oz max operating force and silver/gold high current contacts.



Standard Char	acteri	stics/Ratings								
ELECTRICAL RATINGS:										
Load	Sea L	evel @ 28VDC or 115VAC, 60Hz	50,000 feet @ 28VDC							
Resistive	2A		2A							
Inductive*	0.5A		0.2A							
DWV	1000\	/rms	400Vrms							
Low Level	30m\	/DC max and 10mA max	30mVDC and 10mA max							
*L/R = 0.026										
Electrical Life:		25,000 cycles								
Mechanical Life:		B1 Series is 100,000 cycles (B1-5 S	eries is 1,000,000 cycles)							
Seal:		Unsealed								
Operating Temp R	ange:	-55°C to +125°C								
Operating Force:		6 oz max								
Release Force:		0.7 oz min								
Operate Point:		0.220 +/- 0.015 inches from mounting	ng holes							
Overtravel:		0.003 inches min								
Movement Differe	ntial:	0.002 inches nominal, 0.005 inches	max							
Pretravel:		0.015 inches max								
MATERIALS:										
Case:		Thermoset, blue								
Cover:		Thermoplastic, blue								
Button:		Thermoplastic, black								
Terminals:		Brass, gold over nickel								
Contacts:		Stationary: Silver with gold Moveable: Silver with gold								
Terminal Hardwa	re:	None provided								
Mounting Hardwa	re:	None provided								

B1 PART NUMBER CODE R1 Construction Terminal Operating Movement Contact Material Grade Style* Force **Differential** 1. Military 2. Double Turret 1.6 oz max 1.0.005" max 1. Silver/Gold - High Current

2. Commercial

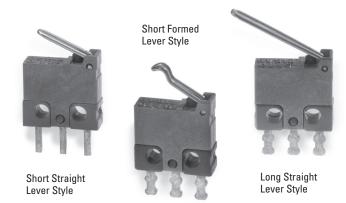
3. PC Pins

3. Silver/Gold - Low Current

^{*} Wire leads available, contact factory.

BASICS WITH INTEGRAL LEVERS

SINGLE BREAK, SNAP-ACTION, COMMERCIAL & MILITARY GRADES, ULTRA SMALL SUBMINIATURE WITH INTEGRAL LEVERS



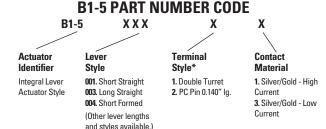
B1-5 Integral Lever Basic Switches

B1-5 series basic switches feature integral actuating levers. The lever is built-in so that the switch and actuator are one assembly.

Making the lever actuator an integral part of the basic switch case makes sense and saves money, too. Better precision, no parts to assemble and more variety add up to a cost saving proposition.

	STANDARD OPERATIONAL CHARACTERISTICS								
Lever Style	Catalog Number	Operating Force (max ounces)	Release Force (min ounces)	Pretravel (max inches)	Overtravel (min inches)	Movement Differential (max inches)	Operating Point (inches)		
Short Straight Lever Long Straight Lever Short Formed Lever	B1-500111 B1-500311 B1-500411	1.8 1.0 2.0	0.11 0.09 0.15	0.054 0.185 0.030	0.015 0.023 0.015	0.016 0.032 0.020	0.250 +/- 0.025 0.293 +/- 0.070 0.293 +/- 0.025		

(Other lever lengths and styles available.)



^{*} Wire leads available, contact factory.

ORDERING INFORMATION:

B1-5 Series, Basic Switch with Integral Lever Actuator

Select the OTTO B1-5 basic switch to match your specific circuit and mechanical requirements. To order, specify your requirement using the OTTO Part Number Code shown at left.

Example: B1-500111 specifies short straight integral lever, double turret terminals and silver/gold high current contacts.

