SUBMINIATURE BASIC SWITCHES

SINGLE BREAK, SNAP-ACTION, COMMERCIAL & MILITARY GRADES, SUBMINIATURE, TWO WIDTHS

Available in two widths, the B2 series can be specified to fit your application exactly.

In addition to being available with integral actuating levers as in the B2-5 series, the B2 series is also available with the A1 series auxiliary lever actuators as shown in the B3 section.

While the B2 series conforms to and is qualified to various military specifications, the same switch can be specified for commercial use at a cost savings.

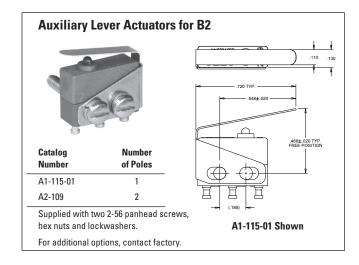
A choice of turret, quick connect and three lengths of printed circuit board style terminals are available for both the 0.156" and 0.200" wide models.

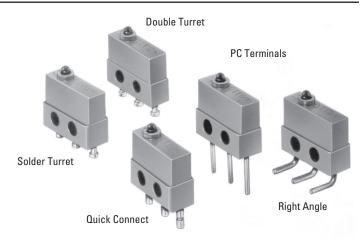
Whether it be military or commercial applications, OTTO can provide features you select for your application. You can specify the features you require without paying for ones you don't need.

The OTTO B2 subminiature switches conform to and are qualified under MIL-PRF-8805/4, MIL-PRF-8805/106 (high temp -55°C to +205°C) and MIL-PRF-8805/109. Basic switches are designed for miniature spaces where cam or other limit actuators are used on the button. In addition, a full range of toggle, pushbutton and lever actuators are available.

Features:

- Choice of 0.156" & 0.200" wide models
- Up to 7 amps switching
- Sensitive movement differentials
- Low operating forces
- Choice of 8 terminal styles or wire leads
- Long operating life
- Qualified under MIL-PRF-8805/4, MIL-PRF-8805/106 & MIL-PRF-8805/109
- **Momentary action**
- **UL** recognized
- **RoHS** compliant







Standard Characteristics/Ratings:

	СΤ	DI.	CA	 ЭΛ	TIN	10	·C

Mounting Hardware:

None provided

ELECTRICAL RATING	S:				
High Level Switch Ratings					
Load	Rating – Sea Level	Rating – 50,000 feet			
115VAC, 60Hz silver contacts with gold plate					
Resistive	7A	N/A			
Inductive	7A	N/A			
Lamp	2A	N/A			
28VDC, silver contacts	with gold plate				
Resistive	7A	4A			
Inductive	4A	2.5A			
Lamp	2.5A	2.5A			
Low Level Switch Ratings					
28VDC, gold plate con	tacts				
Resistive	1A	1A			
Inductive	0.5A	0.5A			
Lamp	N/A	N/A			
DWV:	1000Vrms	400Vrms			
Electrical Life:	25,000 to 100,000 cycles (de	ependent on part number)			
Mechanical Life:	50,000 to 250,000 cycles (de	ependent on part number)			
Seal:	Unsealed				
Operating Temp Range	e: -55°C to +85°C, high temp r	rating -55°C to +205°C			
Operating Force:	5 oz or 6 oz				
Release Force:	1 oz min				
Operate Point:	0.320 +/- 0.015 inches from	mounting holes			
Overtravel:	Overtravel: 0.004 inches min				
Movement Differentia	Movement Differential: 0.006 inches max				
Pretravel:	0.020 inches max				
MATERIALS:					
Case:	Thermoset, blue				
Cover:	Thermoplastic, blue				
Button:	Thermoplastic, black				
Terminals:	Brass, gold over nickel				
Contacts:	Stationary: Silver with gold				
Terminal Hardware:	Moveable: Silver or gold				
	None provided				
Optional Wires:	24 AWG blue, red, yellow				

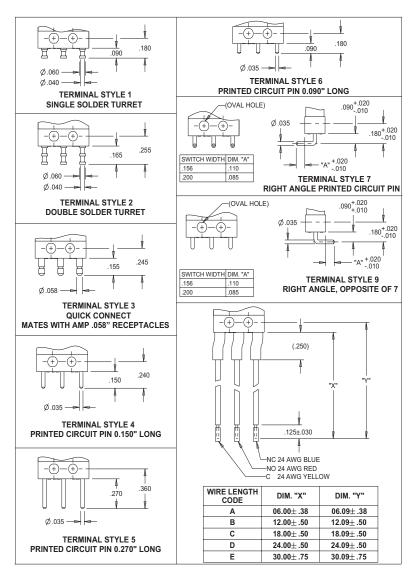
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SINGLE BREAK, SNAP-ACTION, COMMERCIAL & MILITARY GRADES, SUBMINIATURE, TWO WIDTHS

MILITARY APPROVALS (MIL-PRF-8805/4, MIL-PRF-8805/106 & MIL-PRF-8805/109)

Certain OTTO B2 models have been qualified to the military specification for these parts. The following is the latest listing.

MILITARY NO.	OTTO P/N
M8805/106-01	B2-200031
M8805/106-02	B2-200032
M8805/109-01	B2-111351
M8805/109-02	B2-112351
M8805/109-03	B2-111353
M8805/109-04	B2-112353
MS24547-1 (M8805/4)	B2-211351
MS24547-2 (M8805/4)	B2-211353
MS24547-4 (M8805/4)	B2-212351
MS24547-5 (M8805/4)	B2-212353
MS24547-6 (M8805/4)	B2-200029
MS24547-7 (M8805/4)	B2-200030

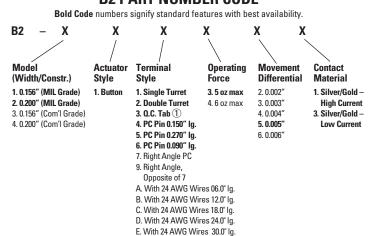


ORDERING INFORMATION:

Select the OTTO B2 basic switch to match your specific circuit and mechanical requirements. To order, specify your requirement using the OTTO Part Number Code shown to the right.

Example: B2-112351 specifies Military grade construction on a 0.156" wide base, double turret terminals, 5 oz operating force, 0.005" movement differential and silver/gold high current contacts.

B2 PART NUMBER CODE

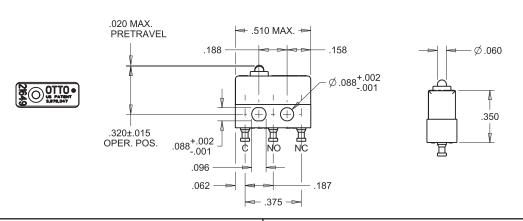


¹ Mates with AMP 0.058" receptacles

SUBMINIATURE BASIC SWITCHES

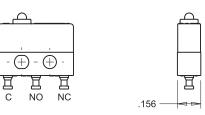
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BASIC SWITCH (APPLIES TO ALL SWITCHES ON THIS PAGE)



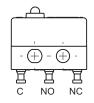
MODEL (WIDTH/CONSTRUCTION) 1 0.156" (MILITARY GRADE)

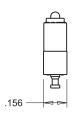
MILITARY NO. OTTO P/N M8805/109-01 B2-111351 M8805/109-02 B2-112351 M8805/109-03 B2-111353 M8805/109-04 B2-112353



MODEL (WIDTH/CONSTRUCTION) 3 0.156" (COMMERCIAL GRADE)

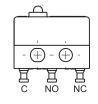


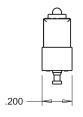




MODEL (WIDTH/CONSTRUCTION) 2 0.200" (MILITARY GRADE)

	MILITARY NO.	OTTO P/N
0TTO • us PATENT 3.578,347	MS24547-1 (M8805/4) MS24547-4 (M8805/4) MS24547-2 (M8805/4)	B2-211351 B2-212351 B2-211353
	MS24547-5 (M8805/4)	B2-212353





MODEL (WIDTH/CONSTRUCTION) 4 0.200" (COMMERCIAL GRADE)



