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.

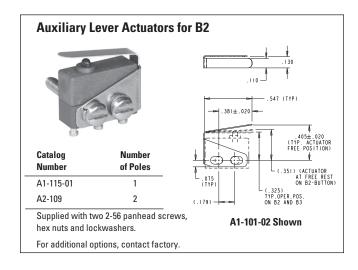
A choice of turret, quick connect and three lengths of printed circuit board style terminals are available for both the 0.156" and 0.200" wide models.

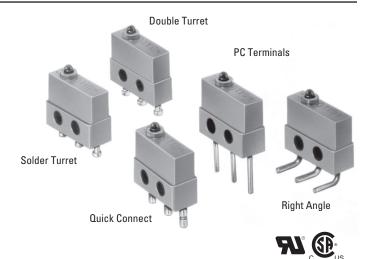
Whether it be military or commercial applications, OTTO can provide features you select for your application. You can specify the features you require without paying for ones you don't need.

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
- UL recognized & CSA certified
- RoHS/WEEE/Reach compliant





Standard	Characteristics/Ratings:	

Terminal Hardware:

Mounting Hardware:

Optional Wires:

None provided

None provided

24 AWG blue, red, yellow

High Level Switch Ratings				
Load	Rating – Sea Level	Rating – 50,000 feet		
115VAC, 60Hz silv	er contacts with gold plate			
Resistive	7A	N/A		
Inductive	7A	N/A		
Lamp	2A	N/A		
28VDC, silver con	tacts with gold plate			
Resistive	7A	4A		
Inductive	4A	2.5A		
Lamp	2.5A	2.5A		
	Low Level Switch Ra	atings		

28VDC, silver contact	s with gold plate			
Resistive	7A	4A		
Inductive	4A	2.5A		
Lamp	2.5A	2.5A		
Low Level Switch Ratings				
28VDC, gold plate cor	itacts			
Resistive	1A	1A		
Inductive	0.5A	0.5A		
Lamp	N/A	N/A		
DWV:	1000Vrms	400Vrms		
Electrical Life:	25,000 to 100,000 cycles (dependent on part number)			
Mechanical Life:	50,000 to 250,000 cycles (dependent on part number)			
Seal:	Unsealed			
Operating Temp Rang	e: -55°C to +85°C, high t	temp 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:	0.004 inches min			
Movement Differentia	il: 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 wit	· ·		
	inovedble. Oliver of g	joid		

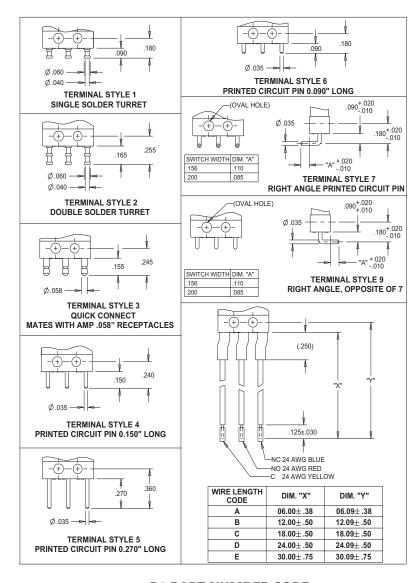
MS24547-7 (M8805/4)

SUBMINIATURE BASIC SWITCHES

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

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 Bold Code numbers signify standard features with best availability.

X **B2** X X Model **Terminal** Actuator Operating Movement Contact (Width/Constr.) Style Style Force **Differential** Material 1. 0.156" (MIL Grade) 1. Button 1. Single Turret 3. 5 oz max 2. 0.002 1. Silver/Gold -2. 0.200" (MIL Grade) 2. Double Turret 4. 6 oz max 3. 0.003 **High Current** 3. 0.156" (Com'l Grade) 3. Q.C. Tab ① 4. 0.004 3. Silver/Gold -4. 0.200" (Com'l Grade) 4. PC Pin 0.150" lg. 5. 0.005 **Low Current** 5. PC Pin 0.270" lg. 6. 0.006 6. PC Pin 0.090" lg. 7. Right Angle PC 9. Right Angle. Opposite of 7 A. With 24 AWG Wires 06.0" lg. B. With 24 AWG Wires 12.0" lq. C. With 24 AWG Wires 18.0" lg. D. With 24 AWG Wires 24.0" lg.

E. With 24 AWG Wires 30.0" lq

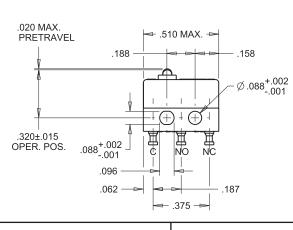
① Mates with AMP 0.058" receptacles

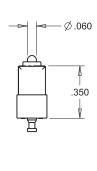
BASIC SWITCHES

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

BASIC SWITCH APPLIES TO ALL SWITCHES ON THIS PAGE







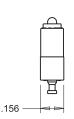
MODEL (WIDTH/CONSTRUCTION) 1 0.156" (MILITARY GRADE)

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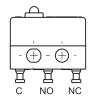
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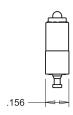
MILITARY NO.	OTTO P/N
M8805/109-01	B2-111351
M8805/109-01	B2-111351 B2-112351
M8805/109-02	B2-112351 B2-111353
M8805/109-03	B2-111333 B2-112353



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



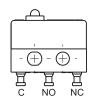


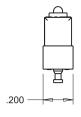


MODEL (WIDTH/CONSTRUCTION) 2 0.200" (MILITARY GRADE)

<u> </u>	TTO
	PATENT 178,347

MILITARY NO.	OTTO P/N
MS24547-1 (M8805/4)	B2-211351
MS24547-4 (M8805/4)	B2-212351
MS24547-2 (M8805/4)	B2-211353
MS24547-5 (M8805/4)	B2-212353





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



