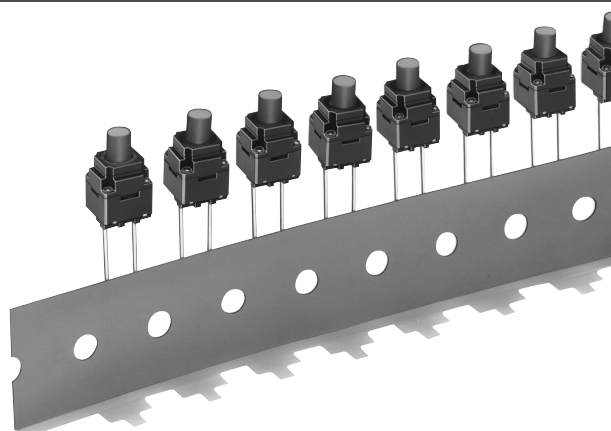


Sealed Tactile Switch


B3WN

Double-sealed Construction Assures Watertight/Dust-tight Protection

- Sealed construction conforming to IP67 (IEC-60529) provides high reliability even in locations exposed to dust or water.
- 8 mm x 8 mm compact size.
- Allows the use of radial-taping part insertion machines.
- RoHS Compliant



Ordering Information

Type	Plunger	Height	Operating force (OF)	Model
8 x 8 mm		13 mm	General-purpose: 200 gf	B3WN-6002
			High-force: 260 gf	B3WN-6005

Note: The switches are tape packaged in units of 1,000 per package. Order in multiples of the package size. Switches are not sold individually.

Important Note: Switches cannot be water-washed.

Specifications

■ Characteristics

Contact form	SPST-NO
Switching capacity	50 mA, 12 VDC (resistive load)
Contact resistance	100 mΩ max. (rated: 1 mA, 5 VDC)
Insulation resistance	100 MΩ min. (at 100 VDC)
Dielectric strength	250 VAC, 50/60Hz for 1 min
Bounce time	10 ms max.
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Destruction: 784 m/s ² (approx. 80G) max. Malfunction: 100 m/s ² (approx. 10G) max.
Life expectancy	100,000 operations min.
Ambient operating temperature	-25°C to 85°C (at 60% RH max.) with no icing or condensation
Ambient operating humidity	35% to 85% (at 5 to 35°C)
Weight	Approx. 0.7 g

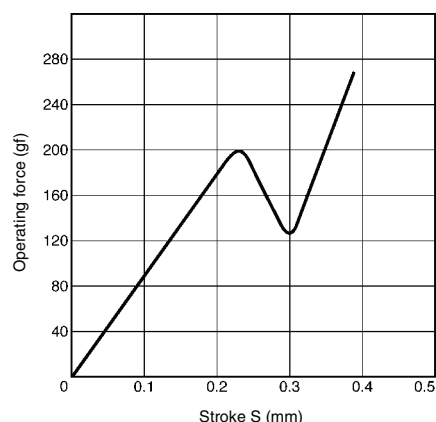
Note: Data shown are of initial value

■ Operating Characteristics

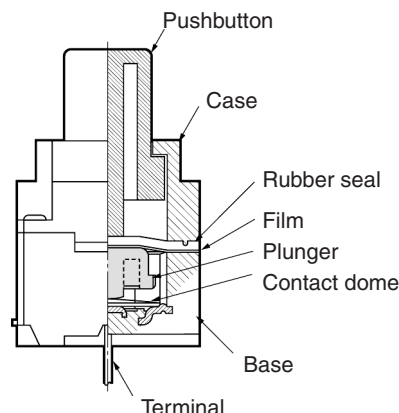
Item	B3WN-6002	B3WN-6005
Operating force (OF)	200 ± 70 gf	260 ± 70 gf
Releasing force (RF) min.	50 gf	
Pretravel (PT)	0.3 ^{+0.2} _{-0.1} mm	

Engineering Data

■ Operating Force vs. Stroke (Typical Example)



■ Construction

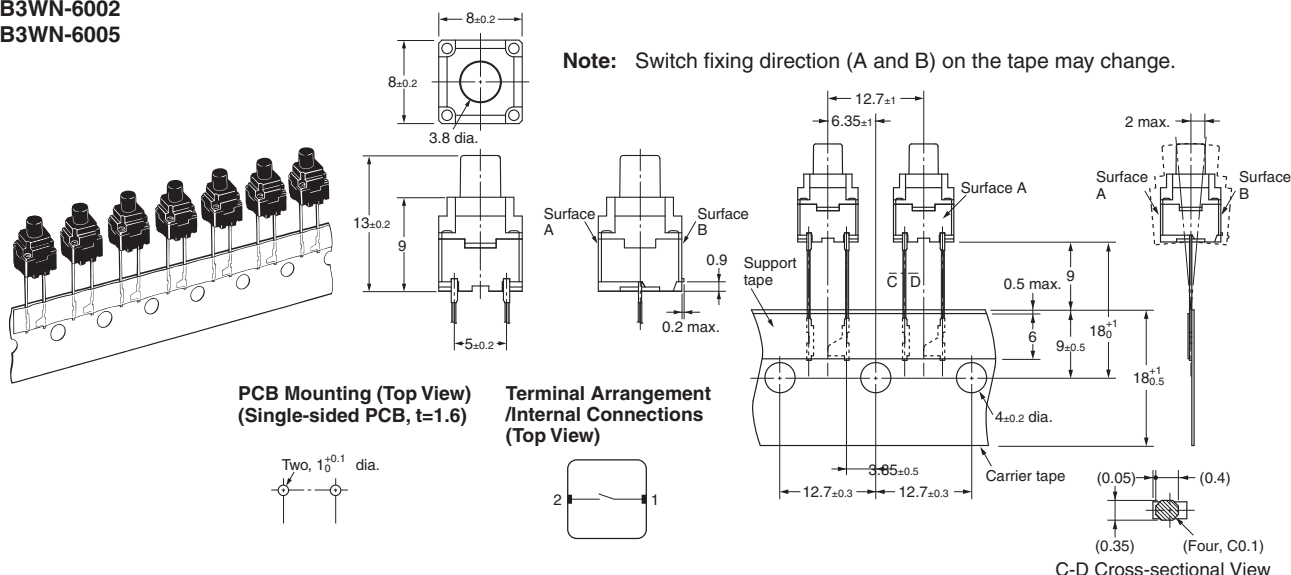


Dimensions

Note: 1. Unless otherwise specified, all units are in millimeters and a tolerance of ± 0.4 mm applies to all dimensions.

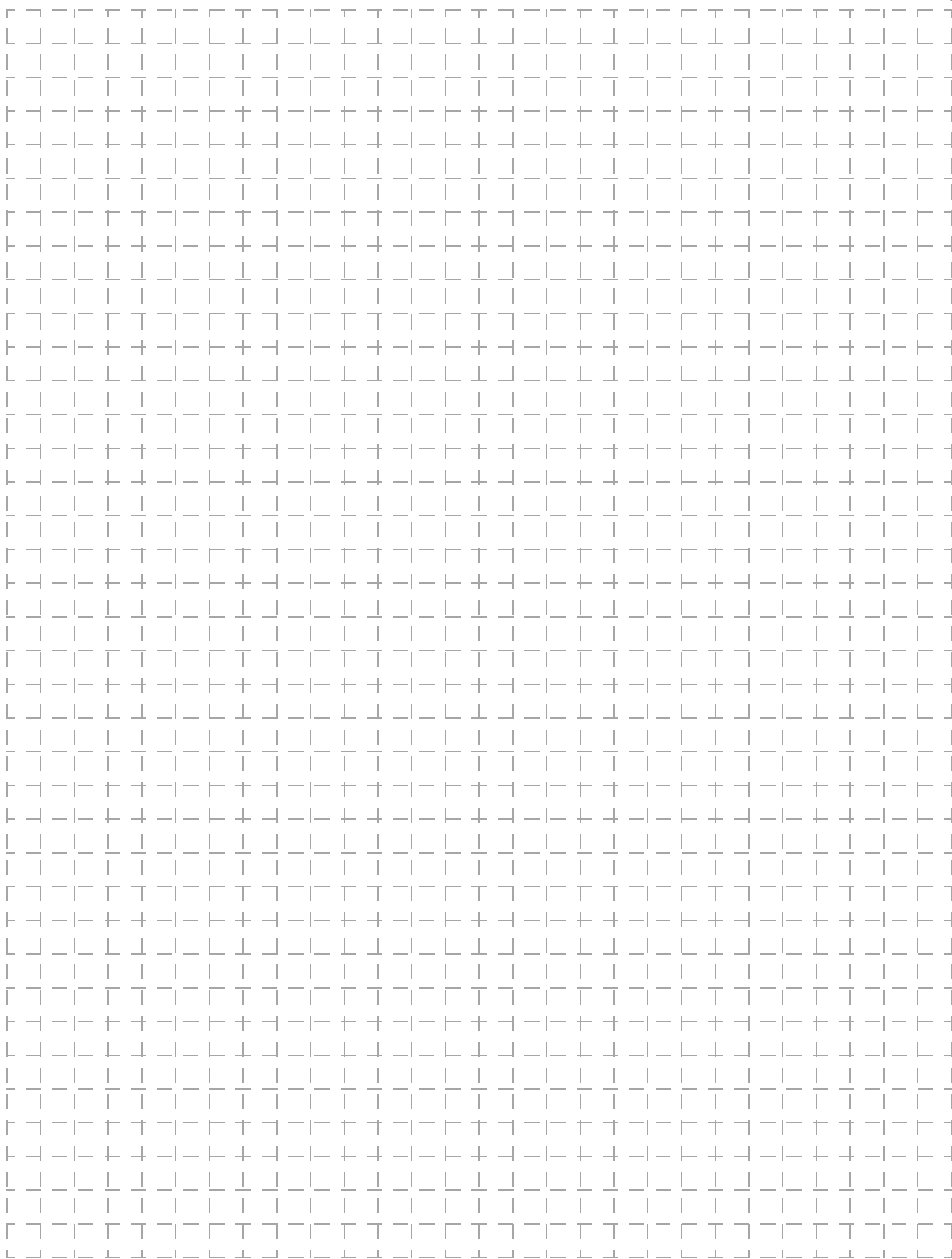
2. Terminal numbers are not indicated on this switch. With the switch turned over so that the logo mark "OMRON" is visible on the upper part of the rear side of the switch base, the terminal on the top of the logo mark is numbered "1" and that on the bottom is "2."

B3WN-6002
B3WN-6005



Precautions

Be sure to read the precautions common to all Tactile Switches, contained in the Technical User's Guide, "Tactile Switches, Technical Information" for correct use.



All sales are subject to Omron Electronic Components LLC standard terms and conditions of sale, which can be found at http://www.components.omron.com/components/web/webfiles.nsf/sales_terms.html

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.



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