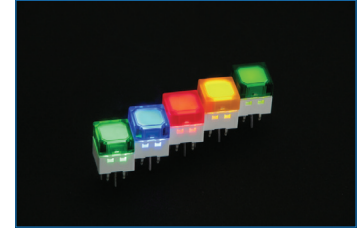


OMRON's New illuminated tactile switch B3W-9 Series

The new Omron B3W-9 tactile switch is small yet exudes maximum luminosity. Highly reliable, the B3W-9 has high contact reliability and it gives a good operation feel. Flexible applications, the switch comes complete with 2 built-in interchangeable LED colours. The B3W-9 comes in a convenient small size measuring 10mm x 10mm x 11mm and is widely used in medical devices, office and industrial equipment.



Features

Bright and beautiful luminescence.

- Built in two LED
- Original diffusion board

Two interchangeable colours.

The combination of four colour LED is possible (Red, Green, Yellow, Blue)

Able to obtain three colours.

- Red, Green, Orange

It turns orange when the LED of the Red and Green are lighted up at the same time.

Good operation feeling.

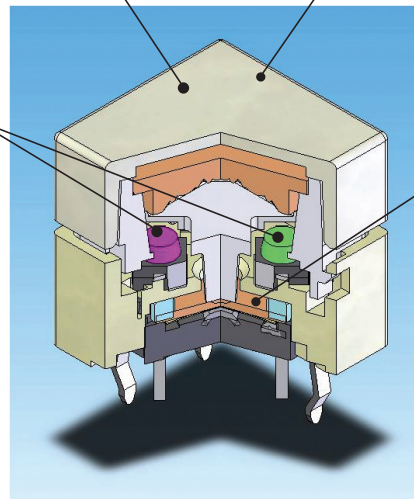
- Two kind of operation force: (1.57N, 2.25N)
- Able to operate even when pressure is applied at corners.

Contact reliability is good.

The point of contact is dustproof according to packing.

Availability of lower cost type.

Where the application does not require high brightness, lower cost type with one LED is also available.



Specifications

Specifications of Switch B3W-9 Operating characteristics

Type	Series of Type B3W-9000	Series of Type B3W-9002
Operating Force (OF)	Max. 1.57N (Typ. 1.2N)	Max. 2.25N (Typ. 1.8N)
Release Force (RF)	Min. 0.2N	Min. 0.49N
Pre Travel (PT)	0.25 +0.2/-0.1mm	

Specifications of Switch B3W-9 Basic characteristics

Ratings	DC5 ~ 24V 1 ~ 50mA (under resistive load)
Operating Temperature	- 25 ~ + 70°C
Operating Humidity	35 ~ 85%RH
Contact Configuration	Single pole, Single throw
Contact resistance	100mΩ max (DC5V 1mA)
Insulation resistance	100mΩ min (DC250V)
Dielectric strength	AC500V 50/60Hz 1min
Bouncing	5ms max.
Vibration	10~50Hz Total amplitude 1.5mm
Shock	1,000m/s ² min
Operation service life	Type B3W-9000 Series : 1,000,000 min Type B3W-9002 Series : 300,000 min

Applications

Industrial Equipment



• Measuring Device

Office Equipment



• Projector

Medical Equipments



• Bed



• Facial equipment using supersonic waves

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