

# Piezo Buzzers



## B2PB Series CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.  
The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

### Features

- Clear and loud sound : up to 98 ±8 dB (at 0.1m)
- Select between continuous or intermittent sound settings
- Mounting hole : Ø22/25 mm / Panel thickness: 6 mm

### Specifications

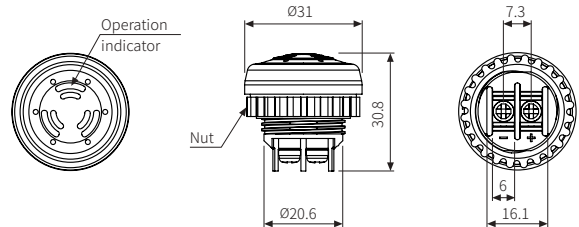
Model	B2PB-B1D	B2PB-B1D-R
Power supply	12-24 VDC≐ ±10 %	
Power consumption	≤ 0.6 W	
Current consumption	≤ 25 mA	
Sound pressure	98±8 dB (distance: 0.1 m) <sup>(1)</sup>	
Sound frequency	≈ 2.5 kHz	
Sound type <sup>(2)</sup>	Continuous sound, intermittent sound	
Mounting hole	Ø 22/25 mm compatible	
Operation indicator	Green	Red
Insulation resistance	≥ 1,000 MΩ (500 VDC≐ megger)	
Dielectric strength	500 VAC~ 50/60 Hz for 1 min (between all terminals and case)	
Vibration	0.75 mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 1 hour	
Vibration (malfunction)	0.75 mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 min	
Shock	500 m/s <sup>2</sup> (≈ 50 G) in each X, Y, Z direction for 3 times	
Shock (malfunction)	147 m/s <sup>2</sup> (≈ 15 G) in each X, Y, Z direction for 3 times	
Ambient temperature	-15 to 55 °C, storage: -25 to 65 °C (no freezing or condensation)	
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)	
Protection structure	IP65 (front, IEC standard)	
Material	Cap: PC, Body: PA6 (G15%)	
Tightening torque	0.4 to 0.6 N m	
Approval	CE ENEC	
Unit weight (packaged)	≈ 18 g (≈ 305 g, 10 units)	

01) It is rated at power supply 24 VDC≐. (sound pressure may be decreased when using 12 VDC≐.)

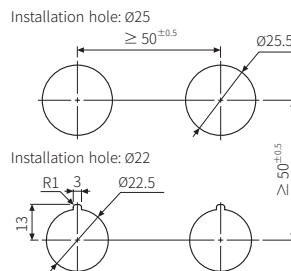
02) Connect the power in the right direction: continuous sound (beep ---), Connect the power in the reverse direction: intermittent sound (beep-beep-)

### Dimensions

• Unit: mm, For the detailed drawings, follow the Autonics website.



#### ■ Panel cut-out



#### ■ Panel mounting

• Panel thickness: ≤ 4 mm

