Series HB2

General Specifications

Electrical Capacity (Resistive Load)

Logic Level (gold): 0.4VA maximum @ 28V AC/DC maximum (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V) Note: Find additional explanation of operating range in Supplement section.

Other Ratinas

80 milliohms maximum
500 megohms minimum @ 500V DC
500V AC minimum for 1 minute minimum
100,000 operations minimum for momentary;
100,000 operations minimum
1.8N
Pretravel .051" (1.3mm); Overtravel .020" (0.5mm); Total Travel .071" (1.8mm)

Materials & Finishes

Housing:	Glass fiber reinforced polyamide
Base:	Glass fiber reinforced polyamide
Movable Contact:	Phosphor bronze with gold plating
Switch Terminals:	Phosphor bronze with gold plating
Lamp Terminals:	Steel with silver plating

Environmental Data

Operating Temperature Range	: −25°C through +50°C (−13°F through +122°F)
Humidity	: 90 ~ 95% humidity for 240 hours @ 40°C (104°F)
Vibration	: 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning
	in 1 minute; 3 right angled directions for 2 hours
Shock	: 50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)
Installation	

15.0N (3.37 lbf) maximum downward force on cap

Cap Installation Force:

PCB Processing

Soldering: Wave Soldering: See Profile A in Supplement section. Manual Soldering: See Profile B in Supplement section. These devices are not process sealed. Hand clean locally using alcohol based solution. Cleaning:

Standards & Certifications

The HB2 pushbuttons have not been tested for UL recognition or CSA certification. These switches are designed for use in a low-voltage, low-current, logic-level circuit. When used as intended in a logic-level circuit, the results do not produce hazardous energy.

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Touch

Rotaries



Series HB2

Distinctive Characteristics

Quiet actuation combined with crisp tactile feedback suited for broadcast equipment.

Full face illumination with choice of red/green or red/yellow bicolor LEDs, as well as simultaneous bicolor illumination which produces amber.

Option of legends on caps or film insert.

Compact design with short body .669" (17.0mm) from PCB to top of cap and .295" (7.5mm) square cap.

Sliding Twin Crossbar (STC) mechanism provides unequalled logic-level reliability, contact stability, smooth positive detent actuation, and long life.

Crimped power terminals ensure secure PCB mounting and prevent dislodging during soldering.

Suitable applications include broadcast, telecommunication, and medical equipment, as well as measuring instruments, etc.



Actual Size



Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides

Tactiles

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Touch

Supplement Accessories Indicators



Series HB2



Series HB2



Tactiles

Accessories

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