PHB Series
Short Stroke Pushbutton Switches





Features/Benefits

- *Momentary or latching action*
- *Low cost, reliable contact design*
- *2 & 4 pole configurations*
- *Sealed contacts*
- *Optional buttons*
- *RoHS compliant*

Typical Applications

- *Computers and peripherals*
- *Instrumentation and measurement equipment*
- *Non-power, on-off switch applications*

Specifications

RATING: 1 A @ 15 V DC

DIELECTRIC STRENGTH (50 Hz/1 min.): 500 V DC between terminals or between terminals and frame for 1 minute

OPERATING LIFE: 10,000 cycles at rated load

CONTACT RESISTANCE: 20 m Ωohms initial

INSULATION RESISTANCE: 100 M Ωohms

TOTAL TRAVEL/LATCHING TRAVEL: 2.5mm (± 0.5 mm) / 1.5mm (± 0.5 mm) to latch EE option (push-push)

OPERATING FORCE:
2U option: 170 grams ± 100 grams (1.67 ± 0.98N)
4U option: 230 grams ± 100 grams (2.26 ± 0.98N)

OPERATING TEMPERATURE: -10˚C to 60˚C

BOUNCE TIME: ≤10 ms

SEALING: Sealed contacts.

PACKAGING: Switches; PHB2 models: 84 pcs per tray; PHB4 models 72 pcs per tray
Optional Caps; Bulk bag - 100 caps per bag

Materials

FIXED TERMINAL: Brass, silver plated

MOVABLE CONTACT: Phosphor bronze, silver plated

COVER: PA 66 Black

COVER TO BASE RETAINING CLIP: POM

ACTUATOR: POM

RETURN SPRING: Stainless steel

SPRING RETAINING RING: Steel, nickel plate

BASE: Phenolic resin

TERMINAL SEAL: Epoxy.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. For additional options not shown in catalog, consult Customer Service Center.

Switch

P H B — [ ][ ] — [ ][ ] — [ ][ ] — 1 A — [ ][ ]

Contact Arrangement
2U 2 Changeovers
4U 4 Changeovers

Mechanical Function
OA Momentary
EE Push-push

Termination
TS Straight
SN Kinked (plug in)

Electrical Rating
1A 1 Amp / 15 VDC

Contacts / Timing
Blank Shorting
NS Non Shorting

Caps (order separately)

[ ][ ][ ][ ][ ]

INDEXED	COLOR
G001A	BLACK
G001G	GRAY
G0011	IVORY
G001R	RED

RECTANGULAR	COLOR
G002A	BLACK
G002G	GRAY
G0021	IVORY
G002R	RED

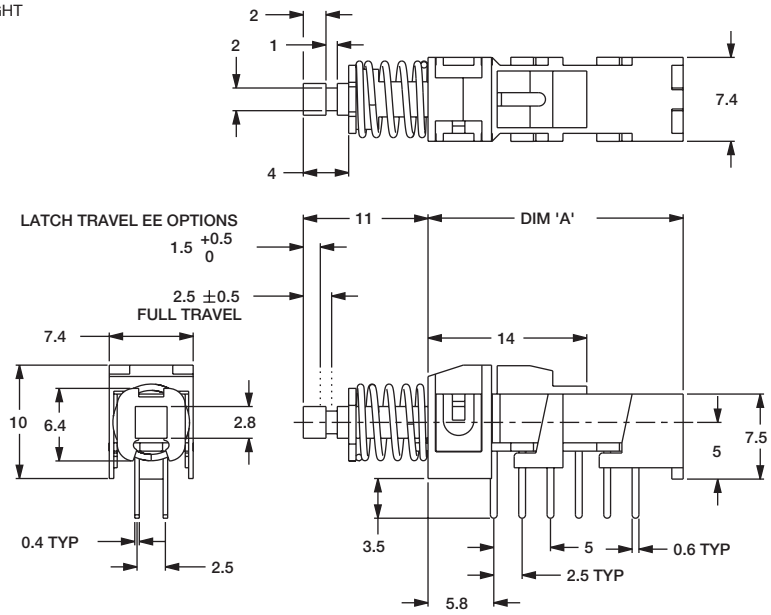
ROUND	COLOR
G003A	BLACK
G003G	GRAY
G0031	IVORY
G003R	RED

SQUARE	COLOR
G004A	BLACK
G004G	GRAY
G0041	IVORY
G004R	RED

Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

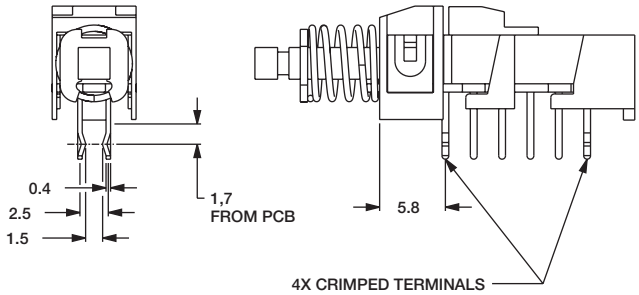
TERMINATION

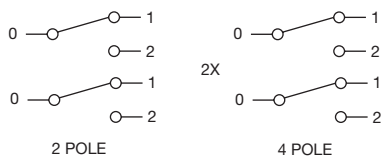
TS STRAIGHT

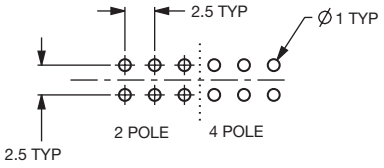


POLES	MODEL NO.	DIM 'A'	ACTION
4	PHB4UEE1A	22,5	PUSH/PUSH
	PHB4U0A1A	22,5	MOMENTARY
2	PHB2UEE1A	15,0	PUSH/PUSH
	PHB2U0A1A	15,0	MOMENTARY

SN KINKED (PLUG IN)







Third Angle Projection

Dimensions are shown: mm
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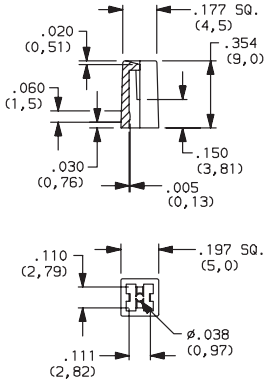
CAPS

Indexed

G001A Black
G001G Gray
G001I Ivory
G001R Red

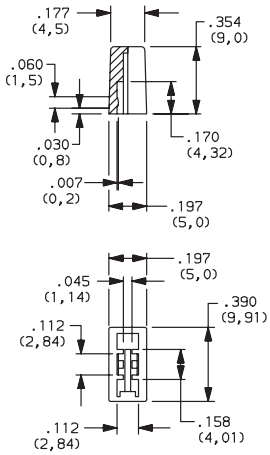




Rectangular

G002A Black
G002G Gray
G002I Ivory
G002R Red

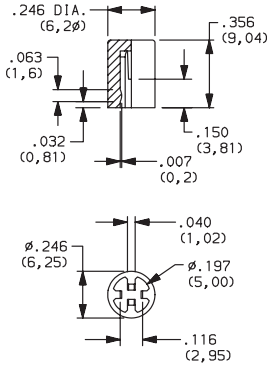




Round

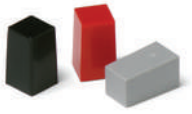
G003A Black
G003G Gray
G003I Ivory
G003R Red

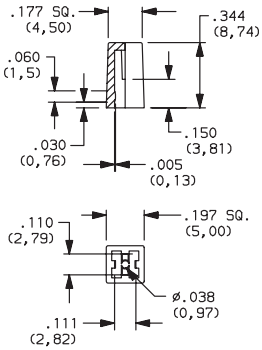




Square

G004A Black
G004G Gray
G004I Ivory
G004R Red





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