

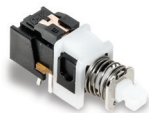


A

Pushbutton

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 Ω ohms initial

INSULATION RESISTANCE: 100 M Ω ohms

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

OPERATING FORCE:

2U option: 170 grams $\pm$ 100 grams (1.67 $\pm$ 0.98N)

4U option: 230 grams $\pm$ 100 grams (2.26 $\pm$ 0.98N)

OPERATING TEMPERATURE: -10°C to 60°C

BOUNCE TIME: $\leq$ 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



Contact Arrangement

- 2U** 2 Changeovers
4U 4 Changeovers

Mechanical Function

- OA** Momentary
EE Push-push

Termination

- TS** Straight
SN Kinked (plug in)

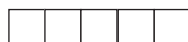
Electrical Rating

- 1A** 1 Amp / 15 VDC

Contacts / Timing

- Blank** Shorting
NS Non Shorting

Caps (order separately)



INDEXED	COLOR
G001A	BLACK
G001G	GRAY
G001I	IVORY
G001R	RED

RECTANGULAR	COLOR
G002A	BLACK
G002G	GRAY
G002I	IVORY
G002R	RED

ROUND	COLOR
G003A	BLACK
G003G	GRAY
G003I	IVORY
G003R	RED

SQUARE	COLOR
G004A	BLACK
G004G	GRAY
G004I	IVORY
G004R	RED



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A-85



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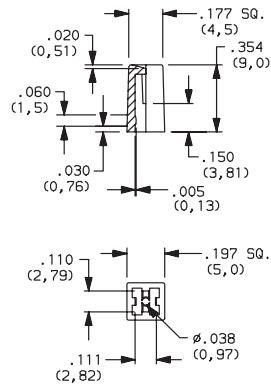
CAPS

Pushbutton

A

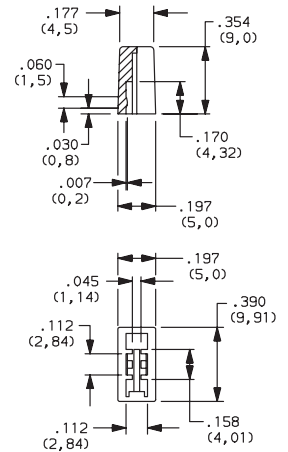
Indexed

- G001A** Black
- G001G** Gray
- G001I** Ivory
- G001R** Red



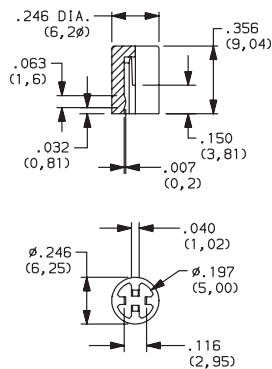
Rectangular

- G002A** Black
- G002G** Gray
- G002I** Ivory
- G002R** Red



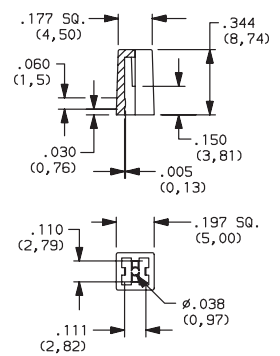
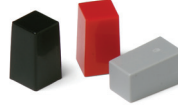
Round

- G003A** Black
- G003G** Gray
- G003I** Ivory
- G003R** Red



Square

- G004A** Black
- G004G** Gray
- G004I** Ivory
- G004R** Red



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

G003I PHB2U0ATS1A