

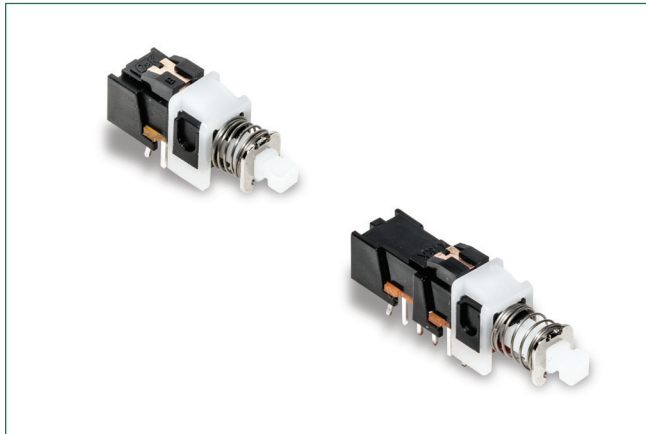


THE DATASHEET OF PHB2UOATS1A



PHB Series

Short Stroke Pushbutton Switches



Description

The PHB series of short stroke pushbutton switches feature a low-cost, reliable contact design with momentary or latching action and options for 2 or 4 pole configurations. The long-lasting PHB series can be found in computers and peripherals, as well as in instrumentation and measurement equipment, enabling non-power, on-off switch applications.

Features & Benefits

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

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)
Bounce Time	\leq 10 ms
Operating Temperature	-10°C to 60°C
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

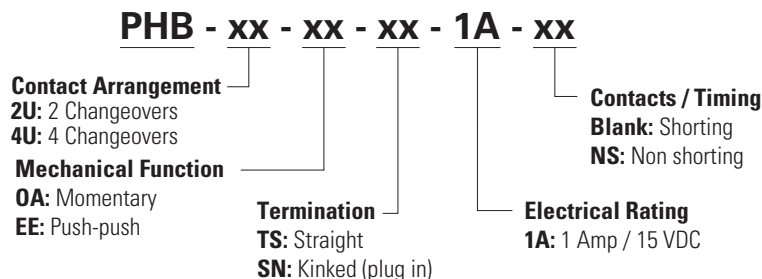
Fixed Terminal	Brass, silver plated
Movable Contact	Phosphor bronze, silver plated
Cover	PA 66 Black
Cover to Base Retaining Clip	POM
Actuator	
Return Spring	Stainless steel
Spring Retaining Ring	Steel, nickel plate
Base	Phenolic resin
Terminal Seal	Epoxy

Notes:

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

Ordering Number

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.



PHB Series

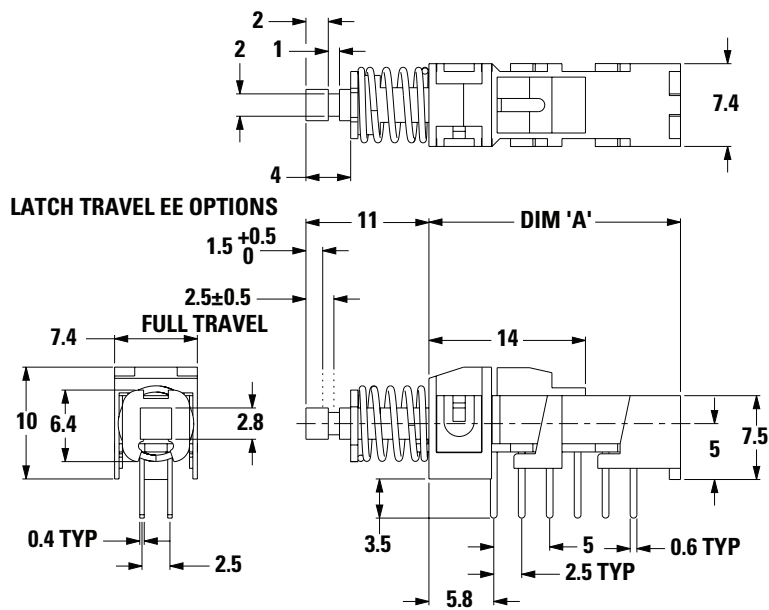
Short Stroke Pushbutton Switches



Caps (order separately)

Indexed	Color	Rectangular	Color	Round	Color	Square	Color
G001A	Black	G002A	Black	G003A	Black	G004A	Black
G001G	Gray	G002G	Gray	G003G	Gray	G004G	Gray
G001I	Ivory	G002I	Ivory	G003I	Ivory	G004I	Ivory
G001R	Red	G002R	Red	G003R	Red	G004R	Red

Termination TS Straight



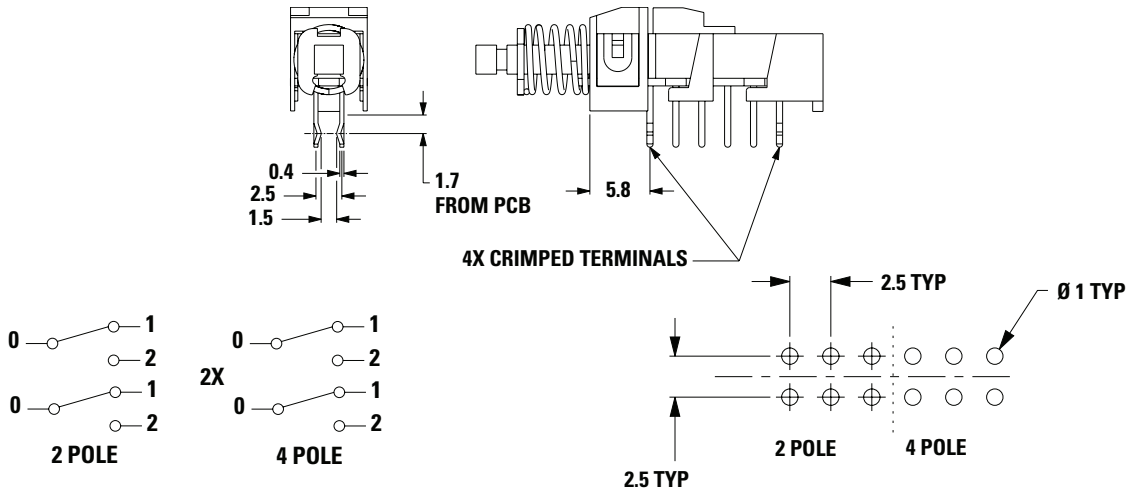
Poles	Model No.	DIM 'A'	Action
4	PHB4UEE1A	22.5	Push/Push
	PHB4U0A1A	22.5	Momentary
2	PHB2UEE1A	15.0	Push/Push
	PHB2U0A1A	15.0	Momentary

PHB Series

Short Stroke Pushbutton Switches

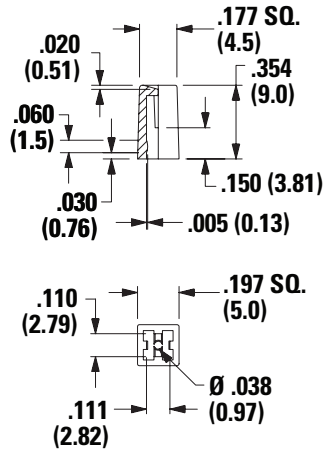
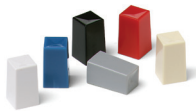


SN Kinked (Plug in)



Indexed

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

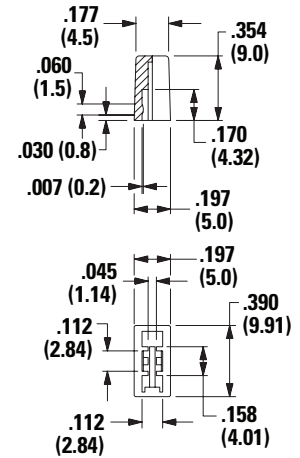


Caps

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

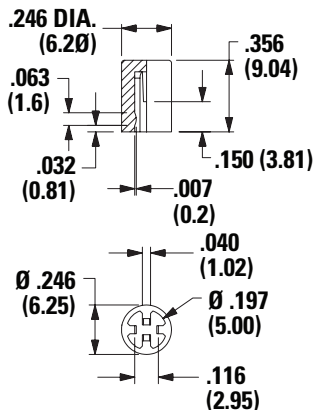


Rectangular



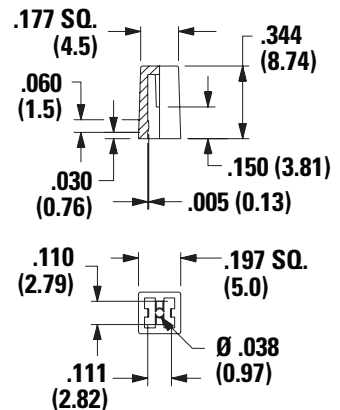
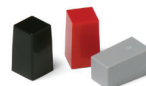
Round

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



Square



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



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