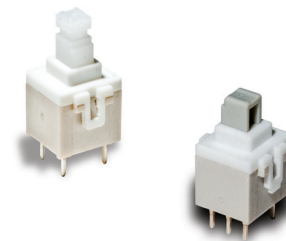


## Features/Benefits

- Compact design
- Short stroke to latch
- Wide variety of actuator heights
- Adapted for medium power applications
- RoHS compliant and compatible

## Typical Applications

- Automotive (air conditioning, lighting)
- Industrial
- Control panel



## Construction

FUNCTION: Momentary, Push-Push

CONTACT ARRANGEMENT:

PVA1: 2 make contacts (DPST)

PVA2: 2 change over contacts (DPDT)

SWITCHING MODE: Non-shorting

TERMINALS: PC pins<sup>1</sup>

## Mechanical

TOTAL TRAVEL / LATCHING TRAVEL:

OA: 2,4 mm

EE: 2,4 / 1,5 mm

ELECTRICAL TRAVEL: 0.8 mm (1.1 for PVA2 OA H5)

OPERATING FORCE: 1,2N; 1,7N; 3,5N

## Process

SOLDERABILITY:

Wave soldering, compatible with lead free soldering profile

Hand soldering, 350°C for 3 seconds

**Note:** Specifications listed above are for switches with standard options.

For information on specific and custom switches, please contact technical support using the "Ask a Specialist" option on the PVA product web page.<sup>√</sup>

## Electrical

SWITCHING POWER MAX.: 3 W DC

SWITCHING VOLTAGE MAX.: 32 V DC

SWITCHING CURRENT MAX.: 100 mA DC\*

DIELECTRIC STRENGTH (50 Hz / 1 min):

1000 V between open contacts, PVA2: 750 V

OPERATING LIFE:

OA (momentary):  $\geq 1 \times 10^5$  operations

EE (push-push):  $\geq 1 \times 10^5$  operations

CONTACT RESISTANCE: Initial  $\leq 100$  m $\Omega$

INSULATION RESISTANCE:  $\geq 10^{10}$   $\Omega$

BOUNCE TIME:  $\leq 3$  ms

## Environmental

OPERATING TEMPERATURE: -40°C to 85°C.<sup>2</sup>

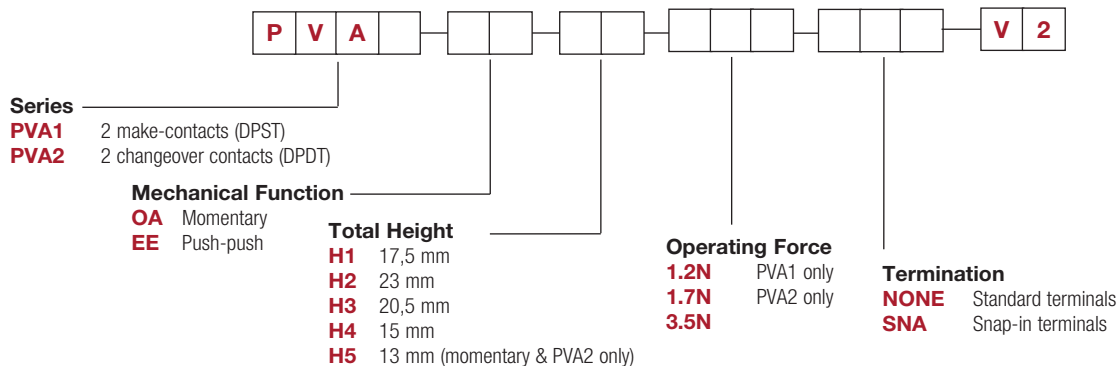
1) "Snap-in" contacts on request, Version SNA with pins bent inside (standard)

2) With button +70°C

## How To Order

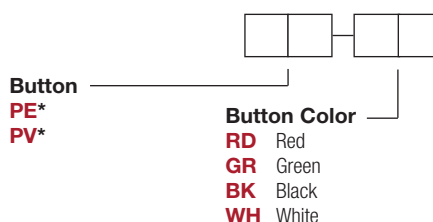
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box. **Some of the configurations may not be available or could require some development.**

### Switch



### Button

Buttons must be ordered separately.  
Shipped in bulk.



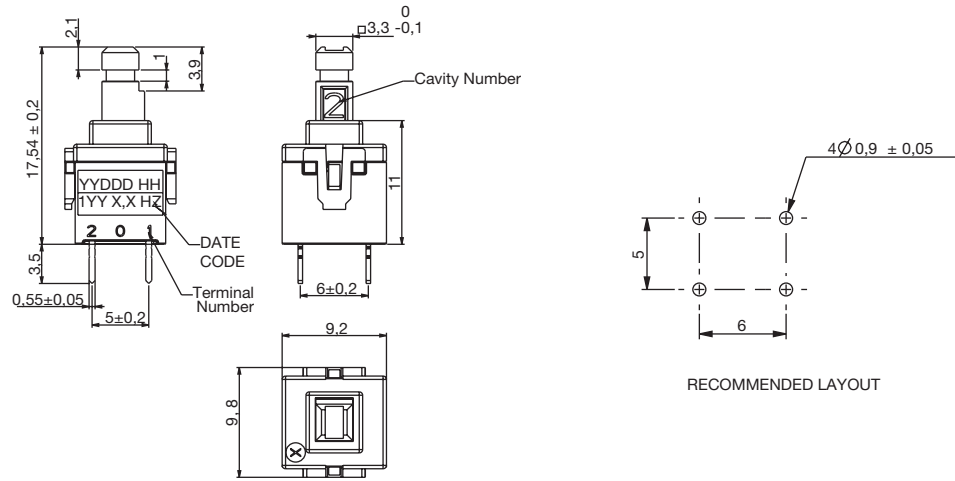
\*Compatible with H1 and H3 actuator models only.



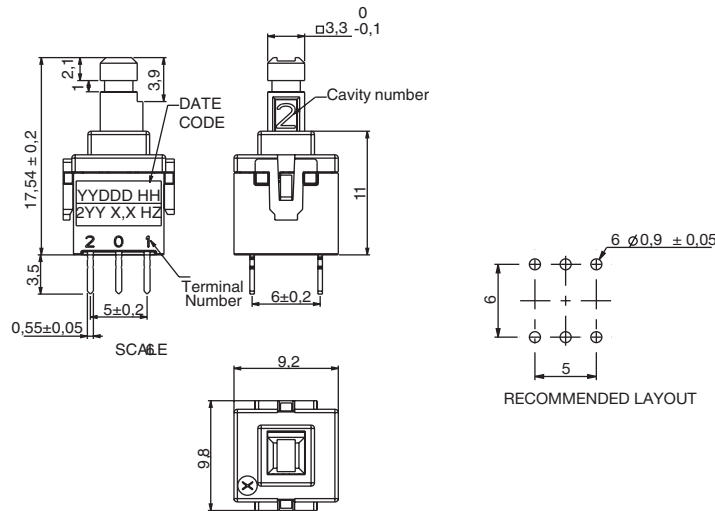
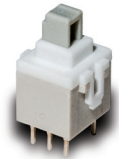
# PVA Short Stroke Key Switches

SERIES

## PVA1 (DPST)



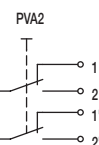
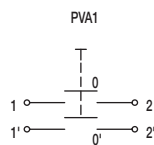
## PVA2 (DPDT)



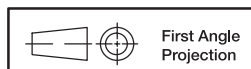
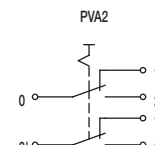
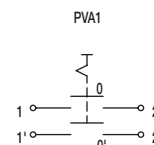
## MECHANICAL FUNCTION

OPTION CODE	FUNCTION
<b>OA</b>	Momentary
<b>EE</b>	Push-Push

**OA**



**EE**

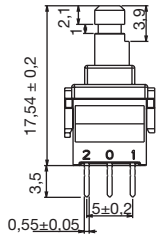


Dimensions are shown: mm  
Specifications and dimensions subject to change

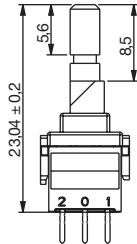
# PVA Short Stroke Key Switches

## TOTAL HEIGHT

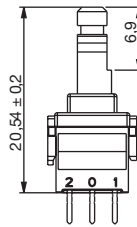
**H1** 17,5 MM



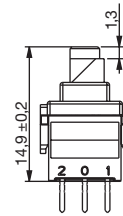
**H2** 23 MM



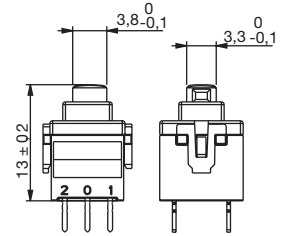
**H3** 20,5 MM



**H4** 15 MM



**H5** 13 MM  
(MOMENTARY ONLY)

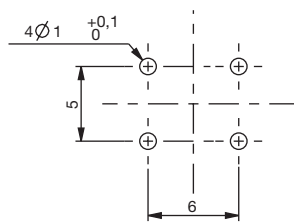
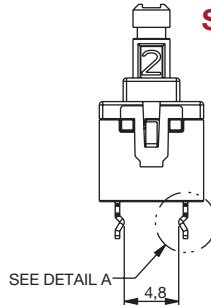
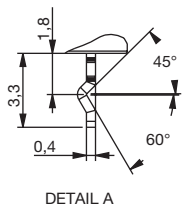


## OPERATING FORCE

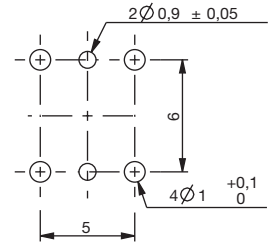
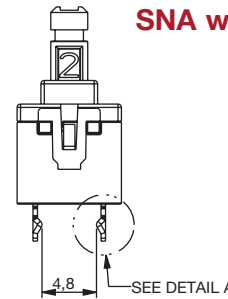
**1.2N** PVA1 ONLY  
**1.7N** PVA2 ONLY  
**3.5N**

## TERMINATION

**SNA with PVA1**



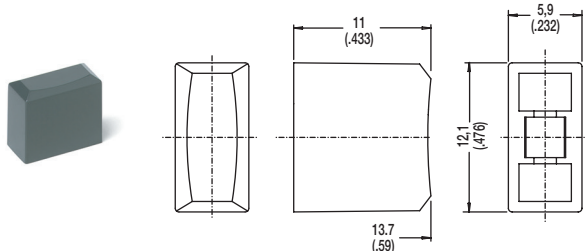
**SNA with PVA2**



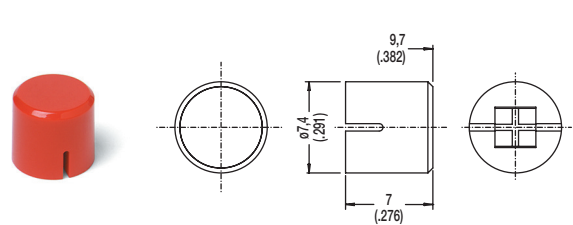
## BUTTONS

BUTTONS MUST BE ORDERED SEPARATELY. SHIPPED IN BULK.

**PE**



**PV**



OPTION CODE	COLOR
<b>RD</b>	Red
<b>GY</b>	Gray
<b>BK</b>	Black
<b>WH</b>	White



First Angle  
Projection

# Mouser Electronics

Authorized Distributor

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

## C&K Switches:

[PVA2EEH2](#) [PVA2EEH1](#) [PVA1EEH1](#) [PVA2OAH2](#) [PVA2OAH1](#) [PVA1OAH2](#) [PVA1 OA H3](#) [PVA1 OA H4](#) [PVA1 EE H3](#) [PVA1 EE H4](#) [PVA2 OA H4](#) [PVA2 EE H3](#) [PVA2 EE H4](#) [PVA2 OA H3 1.7N](#) [PVA1EEH2](#) [PVA1EEH1SNA](#) [PVA1EEH1SNA3.5N](#) [PVA1EEH43.5N](#) [PVA1OAH1](#) [PVA2EEH1SNA](#) [PVA2EEH13.5N](#) [PVA1 EE H2 3.5N V2](#) [PVA1 EE H2 SNA V2](#) [PVA1 EE H3 3.5N V2](#) [PVA1 EE H3 3.5N SNA V2](#) [PVA1 EE H4 3.5N V2](#) [PVA1 EE H4 3.5N SNA V2](#) [PVA1 OA H1 3.5N V2](#) [PVA1 OA H2 SNA V2](#) [PVA1EEH13.5NV2](#) [PVA1 OA H1 2.2N V2](#) [PVA1 OA H3 3.5N V2](#) [PVA1 OA H4 3.5N V2](#) [PVA1 EE H1 2.2N V2](#) [PVA2OAH11.7NV2](#) [PVA1 EE H1 3.5N SNA V2](#) [PVA1 OA H1 V2](#) [PVA1 EE H1 V2](#) [PVA1 OA H2 V2](#) [PVA1 OA H1 3.5N SNA V2](#) [PVA1 OA H3 V2](#) [PVA1 OA H4 V2](#) [PVA1 EE H4 V2](#) [PVA1OAH11.2NV2](#) [PVA1OAH21.2NV2](#) [285-0205-000](#) [PVA2EEH11.7NV2](#) [PVA2EEH13.5NV2](#) [PVA2OAH53.5NV2](#) [PVA20AH11.7NV2](#) [PVA10AH41.2NV2](#) [PVA10AH11.2NV2](#) [PVA20AH41.7NV2](#) [PVA10AH21.2NV2](#) [PVA10AH4](#) [PVA20AH5](#) [PVA10AH3](#) [PVA20AH1](#) [PVA10AH4SNA](#) [PVA20AH2](#) [PVA1EEH12.2N](#) [PVA20AH12.2N](#) [PVA2EEH12.2N](#) [PVA1EEH33.5N](#) [PVA20AH5SNA](#) [PVA2EEH4SNA3.5N](#) [PVA2EEH23.5N](#) [PVA20AH1SNA3.5N](#) [PVA10AH12.2N](#) [PVA20AH43.5N](#) [PVA20AH3](#) [PVA2EEH4SNA](#) [PVA2EEH21.7NSNA](#) [PVA1EEH2SNA](#) [PVA20AH33.5N](#) [PVA10AH33.5N](#) [PVA1EEH3SNA3.5N](#) [PVA20AH4SNA](#) [PVA2EEH3SNA](#) [PVA2EEH33.5N](#) [PVA10AH2SNA](#) [PVA10AH13.5N](#) [PVA20AH11.7NSNA](#) [PVA20AH53.5N](#) [PVA2EEH1SNA3.5N](#) [PVA20AH13.5N](#) [PVA10AH3SNA](#) [PVA1 OA H4 1.2N V2](#) [PVYE](#) [PVBU](#) [PEGN](#) [PVA2EEH21.7NSNAV2](#) [PVA1EEH11.2NV2](#) [PVA2EEH12.2NV2](#) [PVA2EEH33.5NV2](#) [PVA2EEH43.5NSNAV2](#) [PVA2EEH31.7NSNAV2](#) [PVA2EEH23.5NV2](#) [PVA1EEH11.2NSNAV2](#) [PVA2EEH21.7NV2](#)