

PVA Short Stroke Key Switches



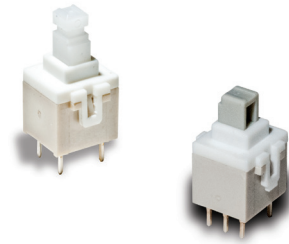
A
Pushbutton

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 pins¹

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.v

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 $\leq 100 \text{ m}\Omega$
INSULATION RESISTANCE: $\geq 10^{10} \Omega$
BOUNCE TIME: $\leq 3 \text{ ms}$

Environmental

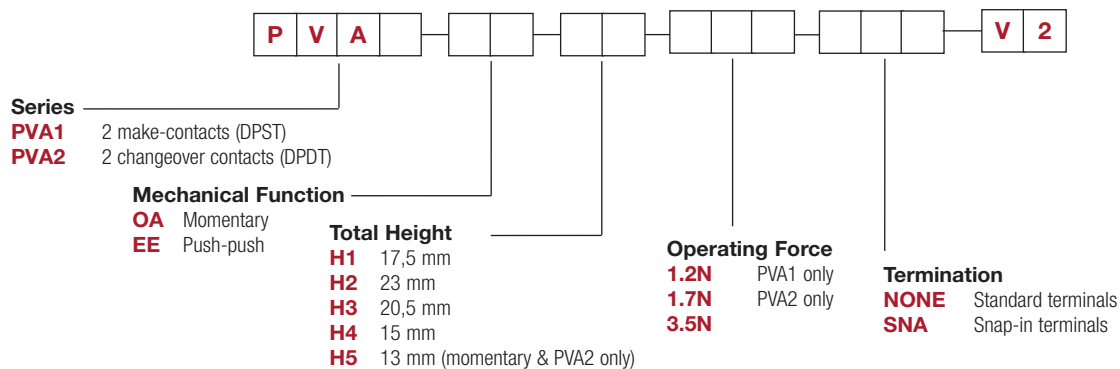
OPERATING TEMPERATURE: -40°C to 85°C.²

- 1) "Snap-in" contacts on request, Version SNA with pins bent inside (standard)
2) With button +70°C

How To Order

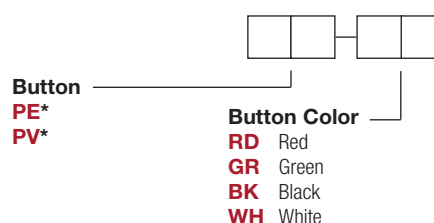
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box. **Some of the configurations may not be available or could require some development.**

Switch



Button

Buttons must be ordered separately.
Shipped in bulk.



*Compatible with H1 and H3 actuator models only.



24 may 19

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

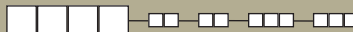


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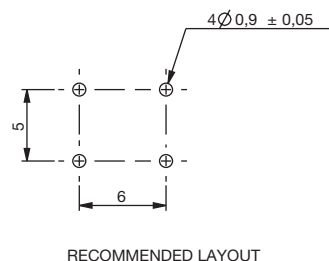
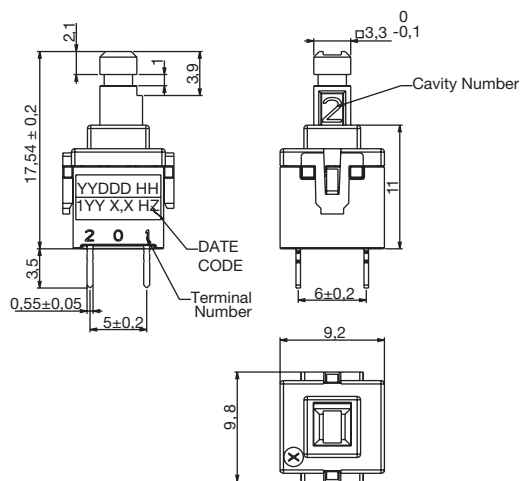
A

Pushbutton

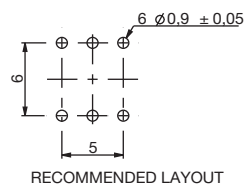
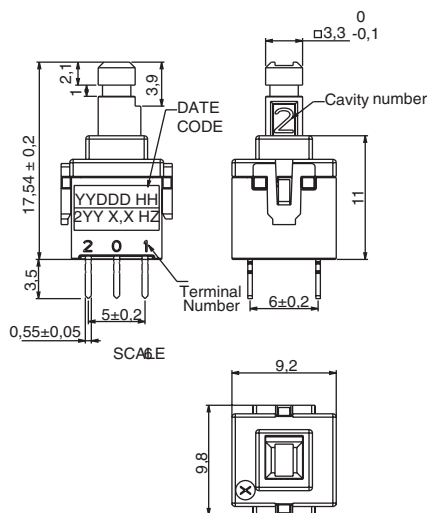
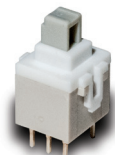
SERIES



PVA1 (DPST)



PVA2 (DPDT)

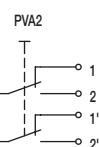
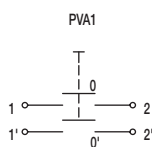


MECHANICAL FUNCTION

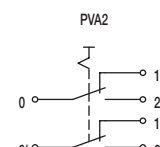
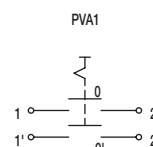


OPTION CODE	FUNCTION
OA	Momentary
EE	Push-Push

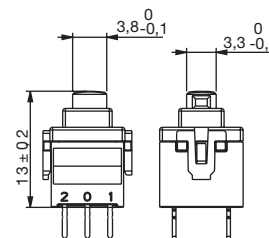
OA



EE



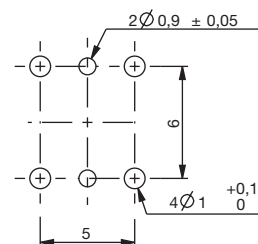
H5 13 MM
(MOMENTARY ONLY)



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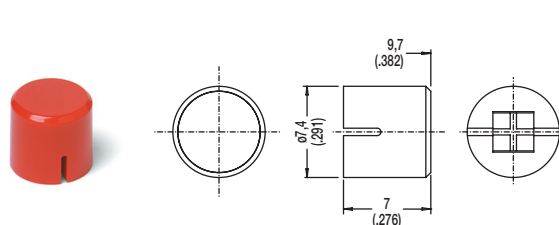
graph LR
    n1[ ] --> n2[ ]
    n2 --> n3[ ]
    n3 --> n4[ ]
    n4 --> n5[ ]
    n5 --> null(( ))
    style n1 fill:#000,stroke:#000
    style n2 fill:#000,stroke:#000
    style n3 fill:#000,stroke:#000
    style n4 fill:#fff,stroke:#000
    style n5 fill:#fff,stroke:#000
    style null fill:none,stroke:none
  
```

3.5N



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PE



C&K

Mouser Electronics

Authorized Distributor

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

C&K Switches:

[PVA1EEH13.5N](#) [PVA1EEH23.5N](#) [PVA1EEH4SNA](#) [PVA1EEH4SNA3.5N](#) [PVA1 OA H1 SNA V2](#) [PVA1 EE H4 SNA V2](#) [PVA1 OA H3 SNA V2](#) [PVA1 OA H4 SNA V2](#) [PVA1 EE H1 SNA V2](#) [PVA1 EE H3 V2](#) [PVA1 EE H2 V2](#)
[PVA10AH13.5NSNAV2](#) [PVA10AH13.5NV2](#) [PVA10AH31.2NV2](#) [PVA10AH33.5NV2](#) [PVA10AH43.5NV2](#)
[PVA20AH11.7NSNAV2](#) [PVA20AH21.7NV2](#) [PVA20AH51.7NV2](#) [PVA20AH31.7NV2](#)