

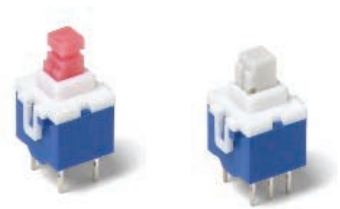
PVA Short Stroke Key Switches

Features/Benefits

- **Compact design**
- **Short stroke to latch**
- **Wide variety of actuator heights and styles**
- **Adapted for medium power applications**

Typical Applications

- **Automotive (air conditioning, lighting)**
- **Video, remote controls**
- **Electronic games**



Construction

FUNCTION: Momentary, Push-Push
 CONTACT ARRANGEMENT: ²
 PVA1: 2 make contacts (DPST)
 PVA2: 2 change over contacts (DPDT)
 MODE SWITCHING: Non-shorting
 DISTANCE BETWEEN BUTTON CENTERS:
 10, 12,5, 15 (0.394, 0.492, 0.591)
 TERMINALS: PC pins ¹⁾

Electrical

SWITCHING POWER MAX.: 3 W DC
 SWITCHING VOLTAGE MAX.: 50 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 $\leq 100 \text{ m}\Omega$; 50m Ω
 After life: 150 m Ω
 INSULATION RESISTANCE: $\geq 10^{10} \Omega$
 BOUNCE TIME: $\leq 3 \text{ ms}$

Mechanical

TOTAL TRAVEL / LATCHING TRAVEL:
 OA: 2,4 \pm 0,2 (0.094 \pm 0.008)
 EE: 2,4 \pm 0,2 (0.094 \pm 0.008) / 1,5 (0.059)
 OPERATING FORCE: 1.2 \pm .25 (120 grams);
 1.7 \pm .25 (170 grams); 3.5 \pm .25 (350 grams)

Environmental

OPERATING TEMPERATURE³⁾: -40°C to 85°C.

Process

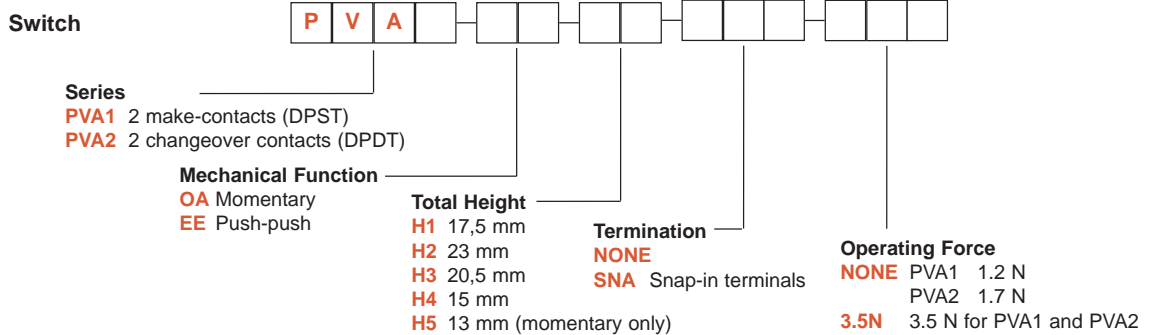
SOLDERABILITY:
 Hand soldering: 350°C for 3 seconds
 Wave or bath soldering: 260°C for 5 seconds
 Cleaning: Use solvents compatible with ABS

1) "Snap-in" contacts on request, Version SNA with pins bent inside (standard)
 2) Other contact arrangements available by request
 3) With button +70°C
 * By 13,8 VDC, the PVA supports a peak current of 500 mA and a continuous current of 20 mA.

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

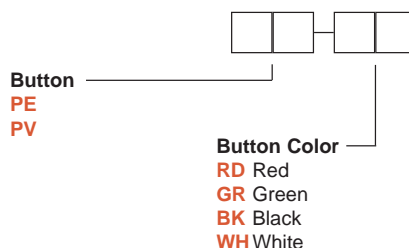
How To Order

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.



Please consult factory for ordering code for chassis switch assembly.

Buttons must be ordered separately.
 Shipped in bulk.

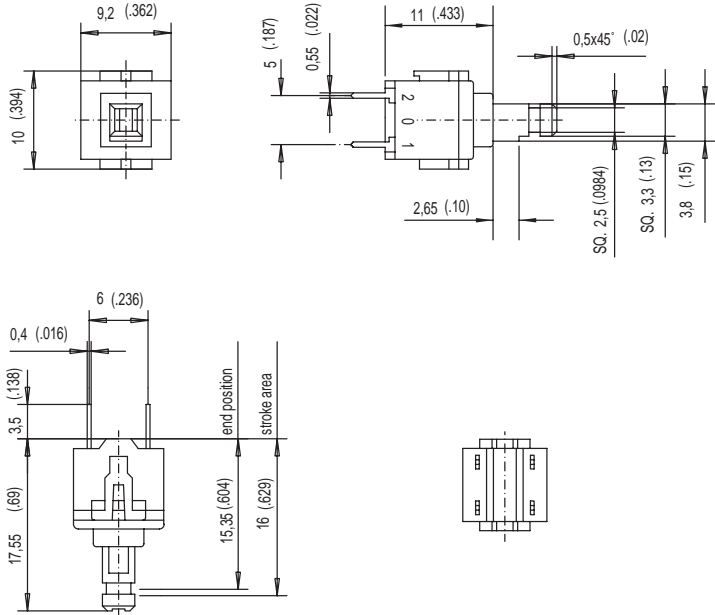
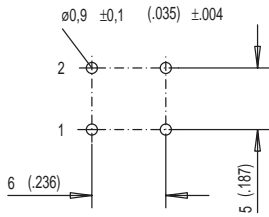


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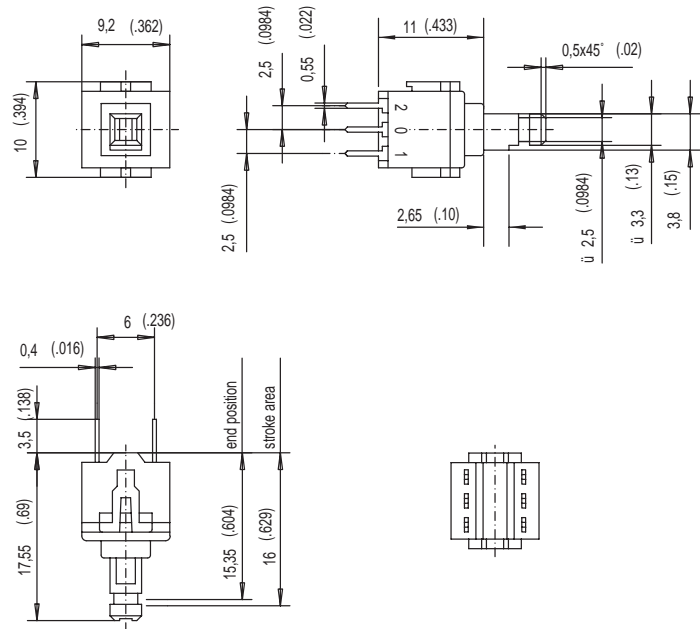
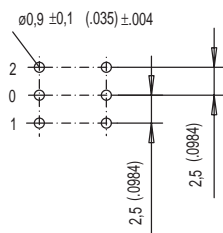
SERIES



PVA1 (DPST)



PVA2 (DPDT)

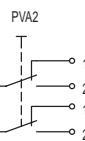
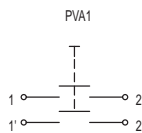


MECHANICAL FUNCTION

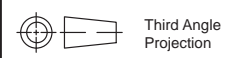
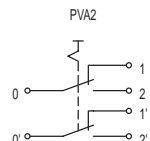
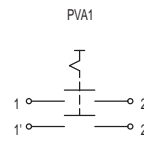


OPTION CODE	FUNCTION
OA	Momentary
EE	Push-Push

OA



EE

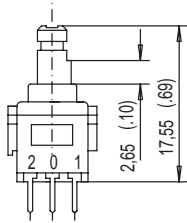


Third Angle Projection
Dimensions shown in: mm (inch)
Dimensions subject to change

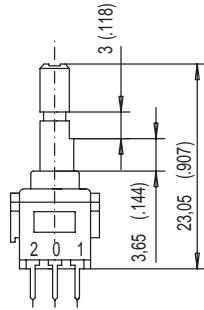
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TOTAL HEIGHT

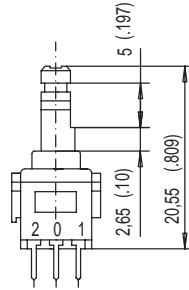
H1 17,5 mm



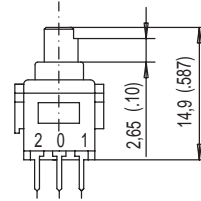
H2 23 mm



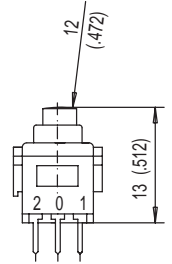
H3 20,5 mm



H4 15 mm

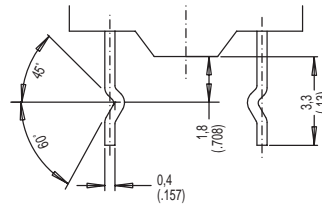
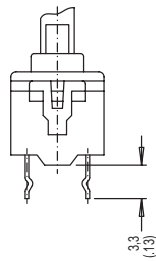


H5 13 mm
(momentary only)



TERMINATION

SNA



OPERATING FORCE

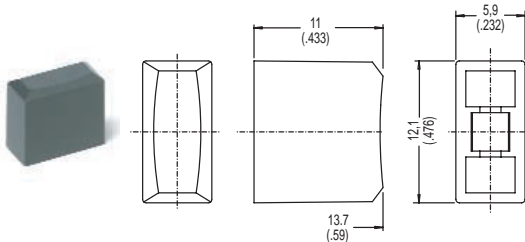
NONE PVA1 1.2 N
PVA2 1.7 N

NONE 3.5 N PVA1 & PVA2

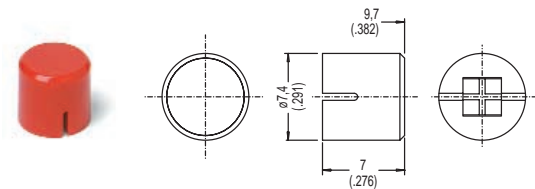
BUTTONS

Buttons must be ordered separately. Shipped in bulk.

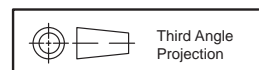
PE



PV



OPTION CODE	COLOR
RD	Red
GR	Green
BK	Black
WH	White



Dimensions shown in: mm (inch)
Dimensions subject to change