

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
- RoHS compliant and compatible

Typical Applications

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



Construction

FUNCTION: Momentary, Push-Push

CONTACT ARRANGEMENT:¹

PVA1: 2 make contacts (DPST)

PVA2: 2 change over contacts (DPDT)

SWITCHING MODE: Non-shorting

TERMINALS: PC pins²

Mechanical

TOTAL TRAVEL / LATCHING TRAVEL:

OA: 2,4± 0,2 (0.094 ± 0.008)

EE: 2,4± 0,2 (0.094 ± 0.008) / 1,5 (0.059)

OPERATING FORCE: 1.2 ± .25 (120 grams);

1.7 ± .25 (170 grams); 3.5 ± .25 (350 grams)

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, consult Customer Service Center.

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): ≥ 1 x 10⁶ operations

EE (push-push): ≥ 1 x 10⁶ operations

CONTACT RESISTANCE: Initial ≤ 100 mΩ

After life: 150 mΩ

INSULATION RESISTANCE: ≥ 10¹⁰ Ω

BOUNCE TIME: ≤ 3 ms

Environmental

OPERATING TEMPERATURE: -40°C to 85°C.³

¹) Other contact arrangements available by request

²) "Snap-in" contacts on request, Version SNA with pins bent inside (standard)

³) With button +70°C

* By 13,8 VDC, the PVA supports a peak current of 500 mA and a continuous current of 200 mA.



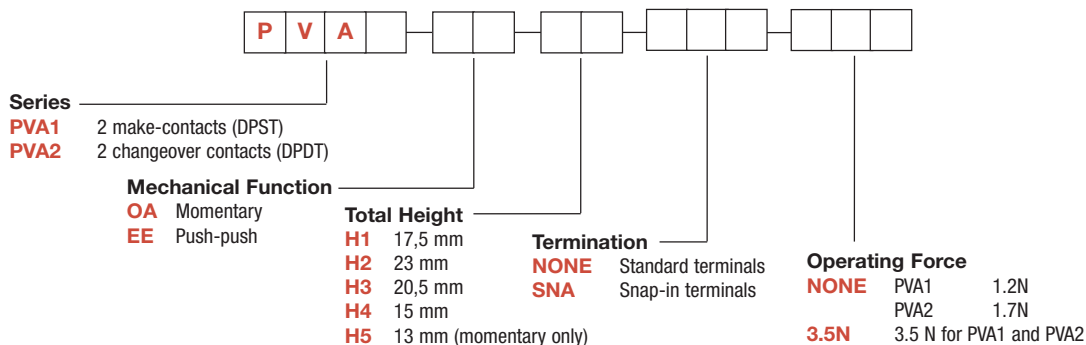
D

Key Switches

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.**

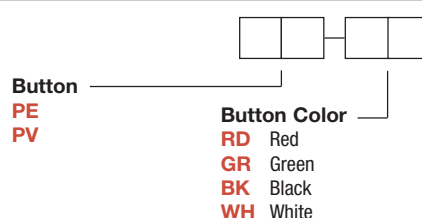
Switch



Button

Buttons must be ordered separately.

Shipped in bulk.

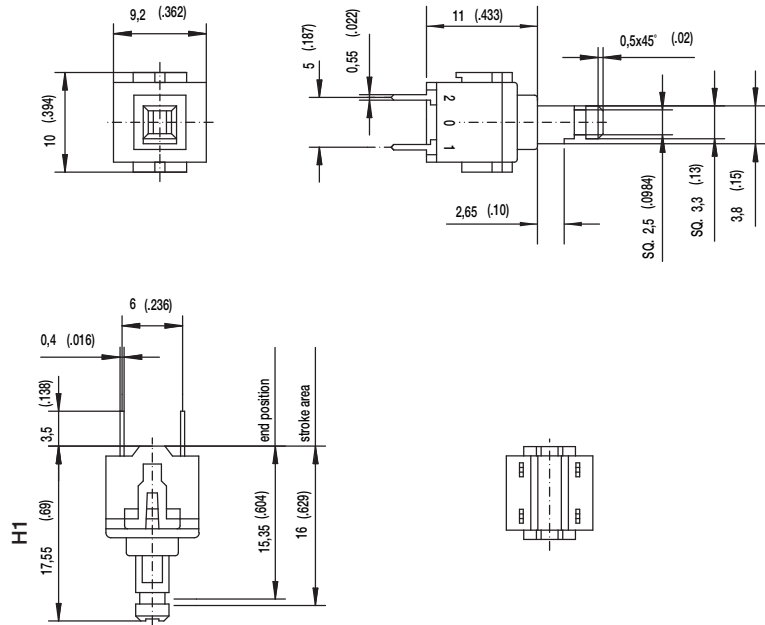
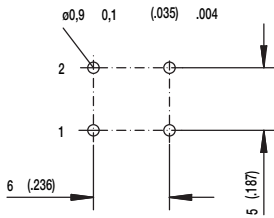


Dimensions are shown: mm
Specifications and dimensions subject to change

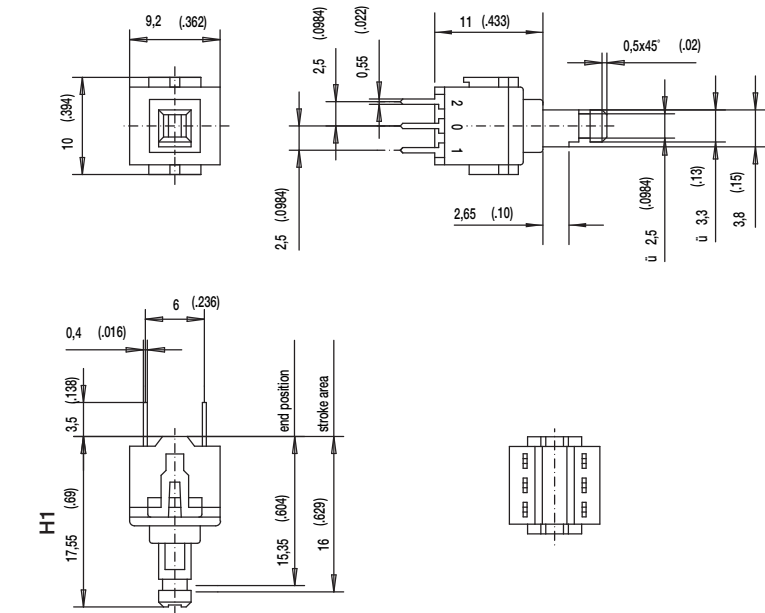
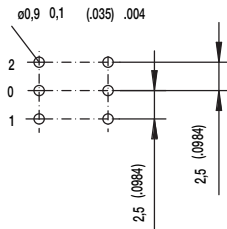
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SERIES

PVA1 (DPST)



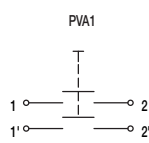
PVA2 (DPDT)



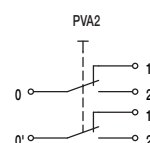
MECHANICAL FUNCTION

OPTION CODE	FUNCTION
OA	Momentary
EE	Push-Push

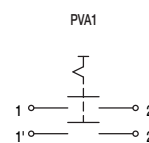
OA



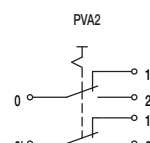
PVA2



EE



PVA2



First Angle Projection

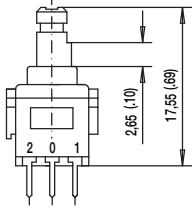
Dimensions are shown: mm
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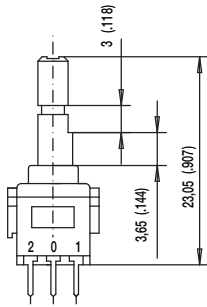
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TOTAL HEIGHT

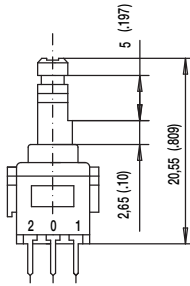
H1 17,5 MM



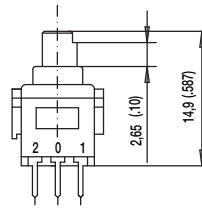
H2 23 MM



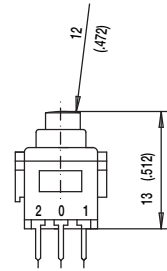
H3 20,5 MM



H4 15 MM

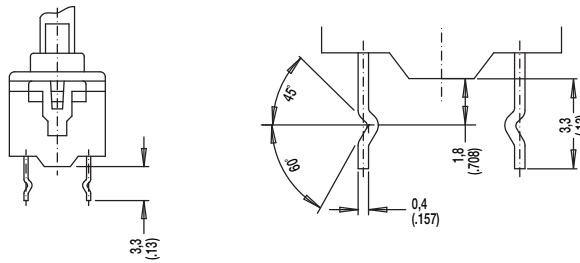


H5 13 MM
(MOMENTARY ONLY)



TERMINATION

SNA



OPERATING FORCE

NONE PVA1 1.2 N
PVA2 1.7 N

3.5N 3.5 NEWTONS PVA1 & PVA2

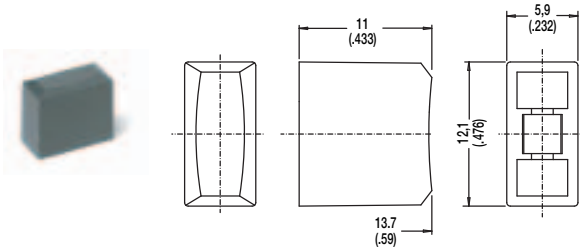


Key Switches

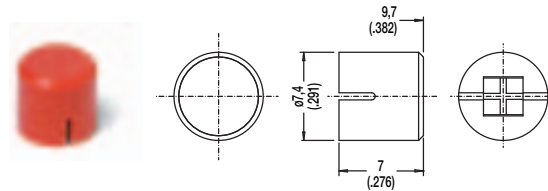
BUTTONS

BUTTONS MUST BE ORDERED SEPARATELY. SHIPPED IN BULK.

PE



PV



OPTION CODE	COLOR
RD	Red
GY	Gray
BK	Black
WH	White



First Angle Projection

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Specifications and dimensions subject to change



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