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 pins[2]

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 10^5 operations
EE (push-push): ≥ 1 x 10^5 operations
CONTACT RESISTANCE: Initial ≤ 100 mΩ
After life:150 mΩ
INSULATION RESISTANCE: ≥ 10^{10} 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.

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

P V A

Series
PVA1 2 make-contacts (DPST)
PVA2 2 changeover contacts (DPDT)

Mechanical Function
OA Momentary
EE Push-push

Total Height
H1 17,5 mm
H2 23 mm
H3 20,5 mm
H4 15 mm
H5 13 mm (momentary only)

Termination
NONE Standard terminals
SNA Snap-in terminals

Operating Force
NONE PVA1 1.2N
PVA2 1.7N
3.5N 3.5 N for PVA1 and PVA2

Button

Buttons must be ordered separately.
Shipped in bulk.

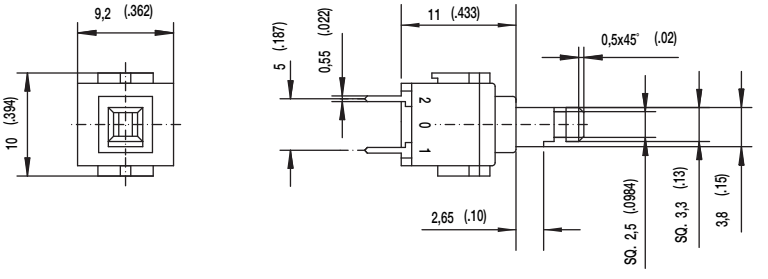
Button
PE
PV

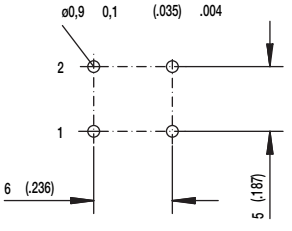
Button Color
RD Red
GR Green
BK Black
WH White

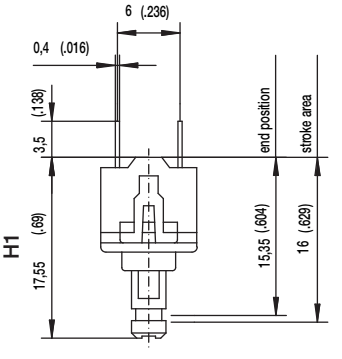
Dimensions are shown: mm
Specifications and dimensions subject to change

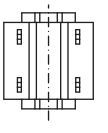
SERIES

PVA1 (DPST)

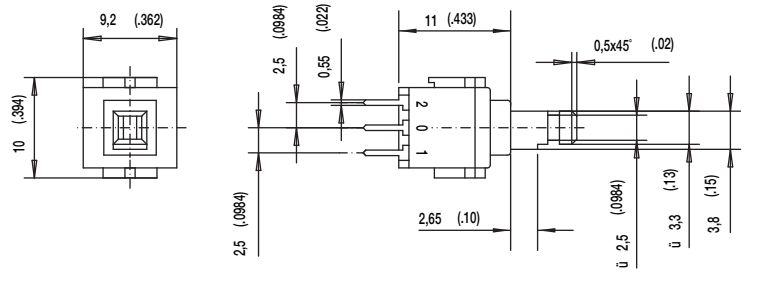


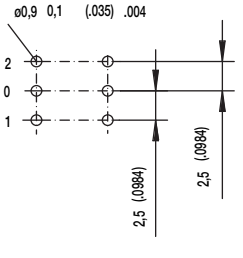


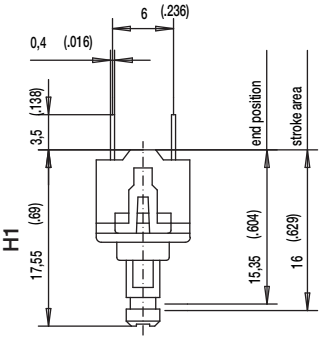


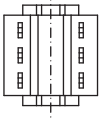


PVA2 (DPDT)





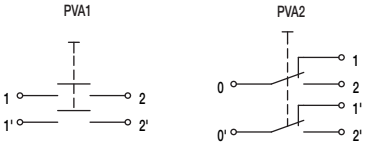




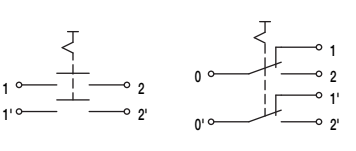
MECHANICAL FUNCTION

OPTION CODE	FUNCTION
OA	Momentary
EE	Push-Push

OA



EE



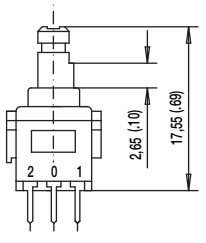
First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

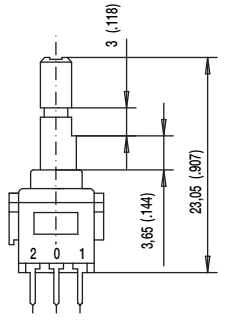
PVA
Short Stroke Key Switches

TOTAL HEIGHT

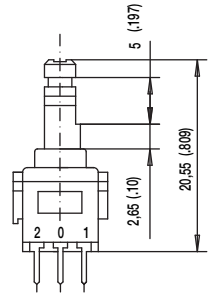
H1 17,5 MM



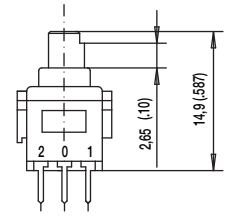
H2 23 MM



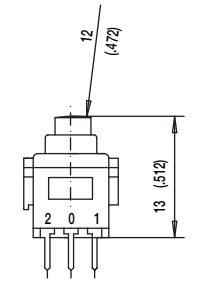
H3 20,5 MM



H4 15 MM

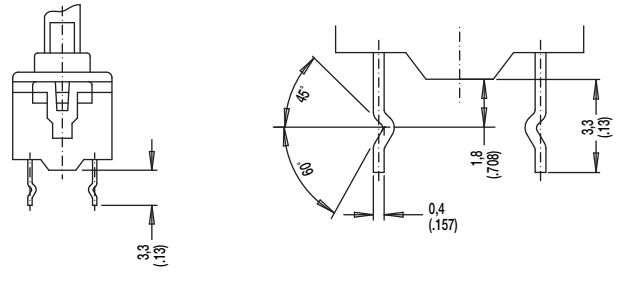


H5 13 MM
(MOMENTARY ONLY)



TERMINATION

SNA



OPERATING FORCE

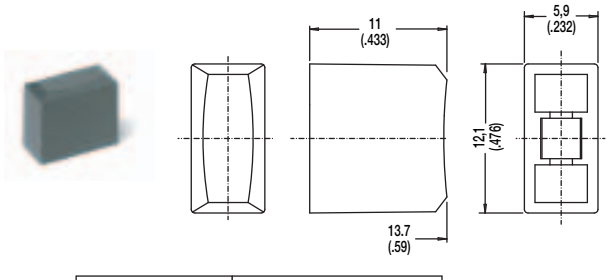
NONE PVA1 1.2 N
PVA2 1.7 N

3.5N 3.5 NEWTONS PVA1 & PVA2

BUTTONS

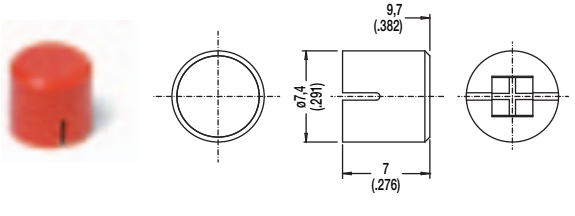
BUTTONS MUST BE ORDERED SEPARATELY. SHIPPED IN BULK.

PE



OPTION CODE	COLOR
RD	Red
GY	Gray
BK	Black
WH	White

PV



First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change