

V4 Snap-action Switches *Up to 5A 250Vac*



- ▶ Snap action switches
- ▶ Ratings up to 5A, 250Vac
- ▶ Industry standard V4
- ▶ Changeover, NO or NC function
- ▶ Choice of terminals and actuators
- ▶ Further options include gold plated contacts, levers and terminals



5A 125Vac, 3A 250Vac 5E4



5A 125/250Vac UL file no. E45221



RoHS compliant

μ contact gap.

ORDER FORMAT

P V4 1 0 N 01 23 AAA

TERMINAL SWITCH SERIES VARIANT FUNCTION LEVER POSITION LEVER SHAPE OPERATING FORCE OTHER FEATURES

TERMINAL	SWITCH SERIES	VARIANT	FUNCTION	LEVER POSITION
<p>P</p> <p>6.0 7.6 ø1.65 2.8 x 0.5</p>	V4	1 Standard T85	<p>0</p> <p>CO ON-(ON) (momentary 1 side)</p>	A Standard ratio
<p>T</p> <p>3.2 3.4</p> <p>Solder</p>				
<p>X</p> <p>1.2 4.0</p> <p>PCB</p>				
<p>D</p> <p>4.8 3.4</p> <p>RH PCB</p>				
<p>J</p> <p>4.8 8.4</p> <p>LH PCB</p>				
Viewed from non plunger end (NC terminal end)				



PV410N9908



XV410A1023



JV410N0016



DV410A0323



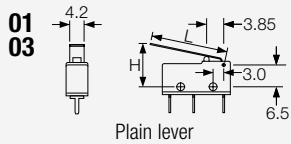
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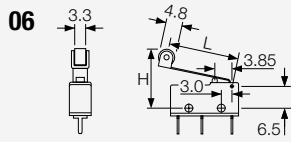
PV410N0016

LEVER SHAPE

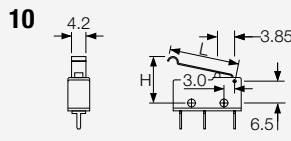
00 No lever



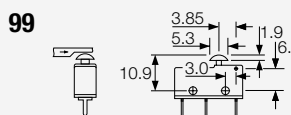
Plain lever



Roller lever



Snake lever



Domed actuator

	01	03	06	10
Dim H	12.4	13.2	17.5	21.0
Dim L	18.5	24.8	16.5	39.4

Many alternative actuators are available
Contact factory for details

OP. FORCE

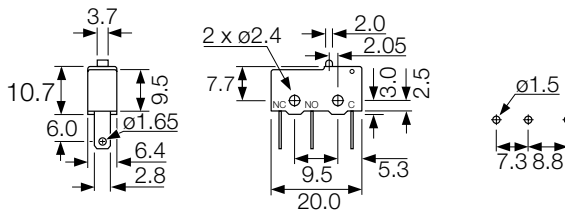
(without lever)

08
80gms

16
160gms

23
230gms

DIMENSIONS (mm)



TECHNICAL DATA

Mechanical life	>1 million operations
Temperature rating	T85°C
Insulation resistance	>1000MΩ
Tracking resistance	175V
Contact Gap	0.5

MECHANICAL DATA

High at rest point**	9.0
Trip point**	8.4 ±0.3
Pre-travel	0.6 (max)
Movement differential	0.2 (max)
Overtravel	0.5 (min)

**Measured from fixing hole centres to top of plunger

MATERIALS

Body, lid & Plunger	Thermoplastic UL94V-0
Plunger	Thermoplastic UL94V-0
Terminals	Plated brass
Moving contact arm	Phosphor bronze
Spring	Stainless steel
Contacts	Fine silver
Actuator/roller	Stainless steel

V3 Snap-action Switches Up to 16(4)A 250Vac



- ▶ Snap action switches
- ▶ Ratings up to 16A, 250Vac
- ▶ Industry standard V3
- ▶ Changeover, NO or NC function
- ▶ Choice of terminals and actuators
- ▶ Further options include gold plated contacts, lever types and terminal options



16(4)A 250Vac 50E3



16A 125/250Vac 3/4hp T85 50E3 UL file no. E45221
125V 1/2 HP, 250V 3/4 HP, 0.4A 125Vdc, 0.2A 250Vdc





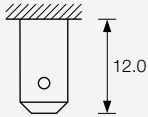
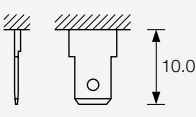
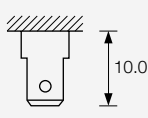
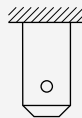


RoHS compliant

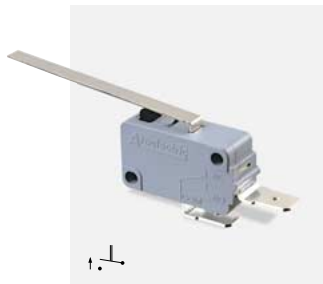
μ contact gap.

▶ ORDER FORMAT

C V3 1 1 A 01 35 AAA

TERMINAL SWITCH SERIES VARIANT FUNCTION LEVER POSITION LEVER SHAPE OPERATING FORCE OTHER FEATURES

▶ TERMINAL	▶ SWITCH SERIES	▶ VARIANT	▶ FUNCTION	▶ LEVER POSITION
<p>T</p>  <p>Solder</p>	V3	1 Standard T85	<p>0</p>  <p>CO ON-(ON) (momentary 1 side)</p>	A Standard ratio
<p>C</p>  <p>6.3 x 0.8</p>				
<p>E</p>  <p>4.8 x 0.5</p>				
<p>H</p>  <p>4.8 x 0.8</p>				
<p>L</p>  <p>RAST5 3 x 6.3 tabs on 5mm pitch</p>				
		2 High Temperature T125	<p>1</p>  <p>NO (ON) - OFF (momentary ON)</p>	B High ratio
			<p>2</p>  <p>NC ON - (OFF) (momentary OFF)</p>	N No lever



CV311A0420



CV311N0005



TV311A0316



LV310N0010



CV312A1335



CV310N0010

LEVER SHAPE

00 No lever

01
02
04

Plain lever

03

Snake lever

12
13

Roller lever

	01	02	03	04	12	13
Dim A	16.9	18.6	21.5	21.8	22.3	24.0
Dim B	24.2	35.7	32.7	59.2	21.5	34.0

Many alternative actuators are available.
Contact factory for details.

OP. FORCE

without lever

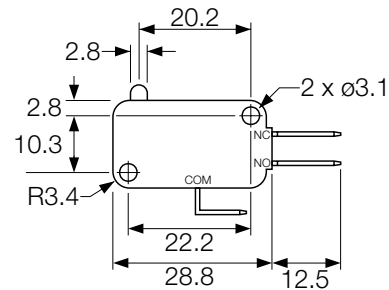
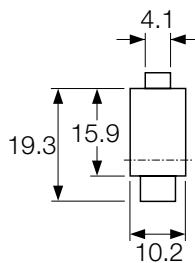
05
55gms

10
100gms

20
200gms

35
350gms

DIMENSIONS (mm) (3 terminals shown)



TECHNICAL DATA

Mechanical life	>1 million operations
Operating Temperature	-25°C to +85°C
Insulation resistance	>1000MΩ
Tracking resistance	175V
Contact gap	0.6 (min)

MECHANICAL DATA

High at rest point**	15.9
Trip point**	14.7 ±0.5
Pre-travel	1.2 (max)
Movement differential	0.4 (max)
Overtravel	1.25 (min)

**Measured from lower hole centre to top of plunger.

MATERIALS

Body, lid & Plunger	Thermoplastic UL94V-0
Terminals	Plated brass
Moving contact	Phosphor bronze silver plated
Spring	Beryllium copper
Contacts	Fine silver
Actuator/roller	Stainless steel