

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 lever types and terminal styles



3A 125/250Vac T85



5A 125/250Vac UL file no. E45221

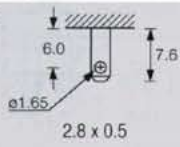

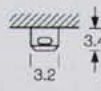
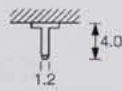
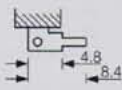
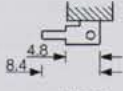



RoHS compliant

μ contact gap.

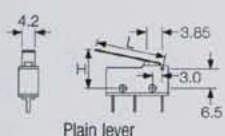
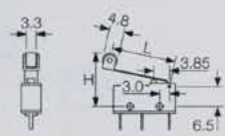
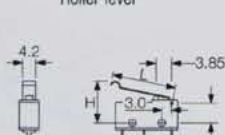
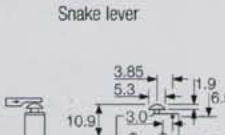
P V4 1 0 N 01 23 AAA

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

▶ TERMINAL	▶ SWITCH SERIES	▶ VARIANT	▶ FUNCTION	▶ LEVER POSITION
<p>P</p>  <p>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>Solder</p>				
<p>X</p>  <p>PCB</p>				
<p>D</p>  <p>RH PCB</p>				
<p>J</p>  <p>LH PCB</p> <p>Viewed from non plunger end (NC terminal end)</p>				
	<p>2</p>  <p>NC ON - (OFF) (momentary OFF)</p>			

V4 Snap-action Switches Up to 5A 250Vac

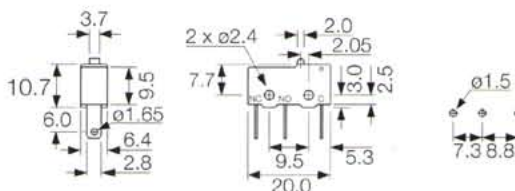


LEVER SHAPE		OP. FORCE	
00	No lever	(without lever)	
01 03	 <p>Plain lever</p>	08 80gms	
06	 <p>Roller lever</p>		
10	 <p>Snake lever</p>		
99	 <p>Domed actuator</p>		
		16 160gms	
		23 230gms	

	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 sales for details

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 lever types and terminal styles



16(4)A 250Vac 5E4 T85



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




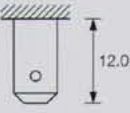
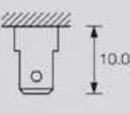
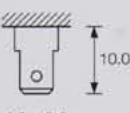

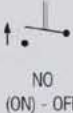
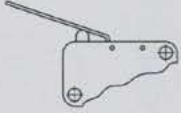




RoHS compliant

μ contact gap.

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>	<p>V3</p>	<p>1 Standard T85</p>	<p>0</p>  <p>CO ON-(ON) (momentary 1 side)</p>	<p>A</p>  <p>Standard ratio</p>
<p>C</p>  <p>6.3 x 0.8 12.0</p>				
<p>E</p>  <p>4.8 x 0.5 10.0</p>				
<p>H</p>  <p>4.8 x 0.8 10.0</p>				
<p>L</p>  <p>RAST5 3 x 6.3 tabs on 5mm pitch</p>				
		<p>2 High Temperature T125</p>	<p>1</p>  <p>NO (ON) - OFF (momentary ON)</p>	<p>B</p>  <p>High ratio</p>
			<p>2</p>  <p>NC ON - (OFF) (momentary OFF)</p>	<p>N</p>  <p>No lever</p>

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



CV311A0420



CV311N0005



TV311A0316






LV310N0010



CV312A1335



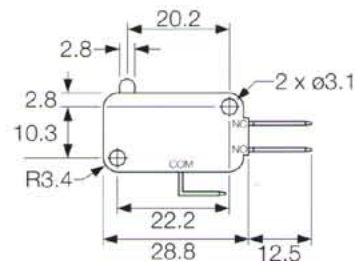
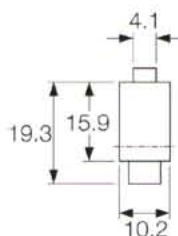
CV310N0010

LEVER SHAPE		OP. FORCE	
00	No lever	without lever	
01 02 04	 <p>Plain lever</p>	05 55gms	
03	 <p>Snake lever</p>	10 100gms	
12 13	 <p>Roller lever</p>	20 200gms	
		35 350gms	

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

Many alternative actuators are available.
Contact sales for details.

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