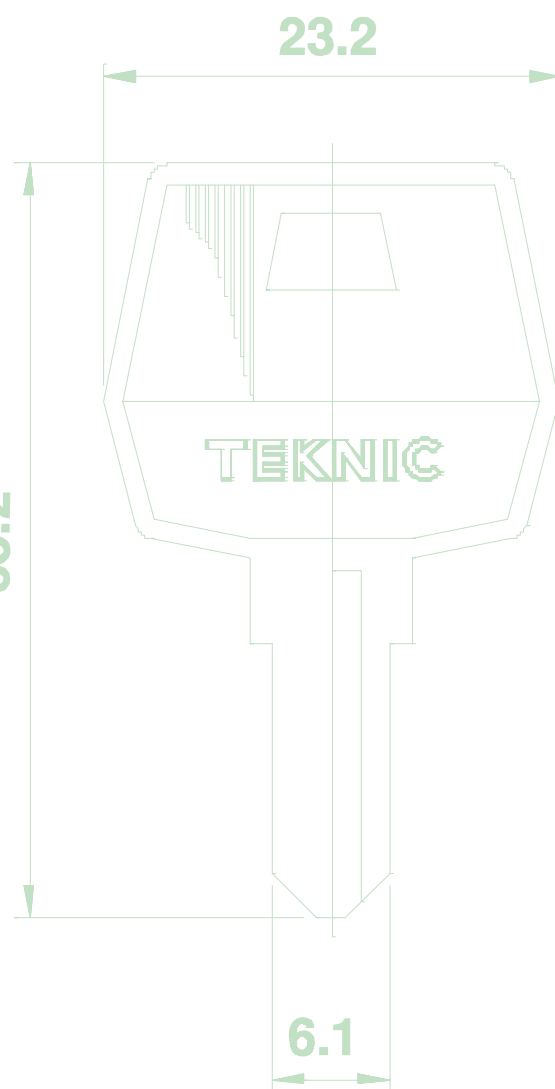
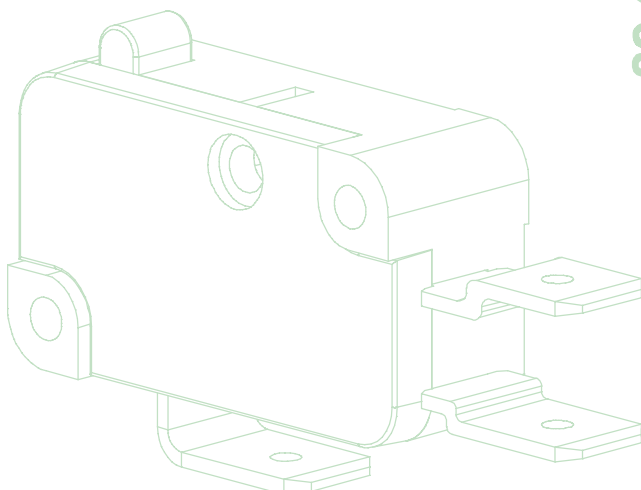
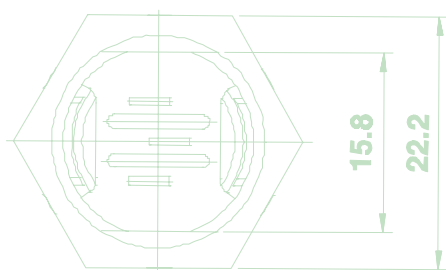


APPLIANCE SWITCHES

CONTENTS

Miniature Micro Switches



TEKNIC

MICRO SWITCHES MS 30

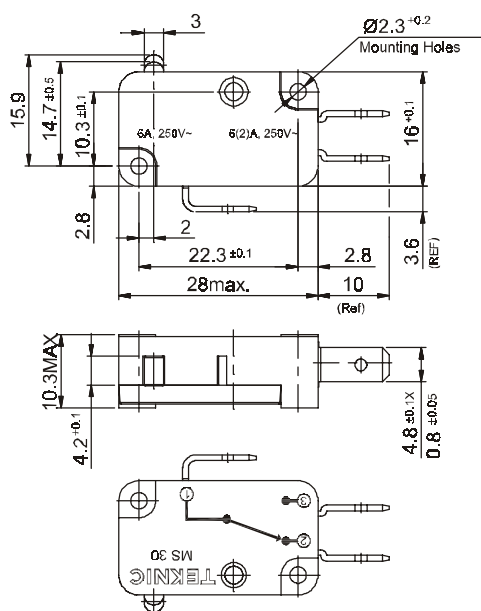


TEKNIC Miniature, snap action, Micro switch MS30 is built with the same features of MS31 and with low force actuation.

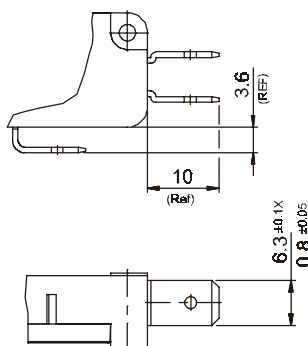
MECHANISM : Single pole, snap action, change over contacts which may be used to provide a double throw switch to change from one circuit to another with a common supply line, or may be used as normally open or normally closed switches. The changeover time in all cases is fairly independent of the plunger speed.

Actuators : Levers in stainless steel. Rollers in high grade thermoplastic or brass material. We can deliver standard and non-standard actuators according to customer requirement.

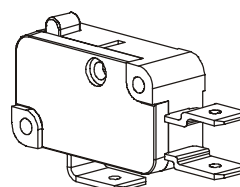
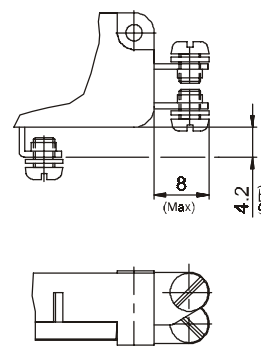
4.8 TERMINAL



6.3 TERMINAL



SCREW TYPE TERMINAL



TECHNICAL DATA

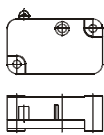
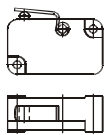
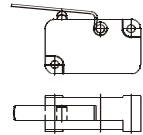
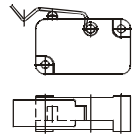
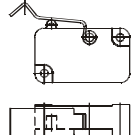
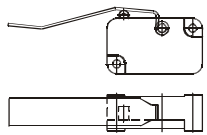
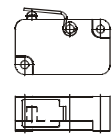
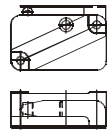
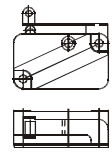
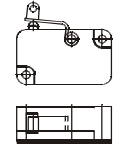
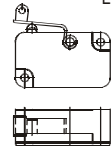
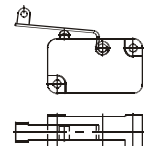
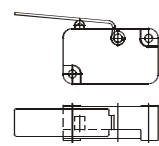
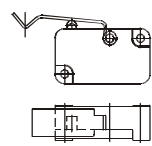
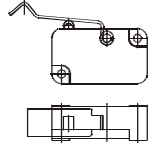
Rating	: 6A, 250V AC	Movement	: 0.4 mm
Mechanical endurance	: 1,00,000 cycles	differential(Max)	
Electrical endurance	: 50,000 cycles	Available overtravel	: Depress to case
Initial insulation resistance	: > 100 megohms	Fixing	: By screw or body mounting
Initial contact resistance	: < 10 milliohms	Operating temperature	: T85
Di-electric strength	: Pole to body - 2000V	Reference standards	: IEC 1026
	Across open contacts	Degree of protection	: IP 40
	- 750V	Protection against	: Class II appliances
Contact gap	: Micro disconnection	electric shock	
Case material	: PBT (FR)	Glow wire test	: Level C , 850 C
Contact material	: Silver/Silver Alloy	Degree of pollution	: Normal
Terminal material	: Brass	Proof of tracking	: PTI 250V
Free position	: 15.9–0.2	index	
Operating position	: 14.7–0.5		

MICRO SWITCHES MS 30

TABLE-1

Type	Operating Force	Release Force	Rating	Slider Colour	Ordering Code
Standard force	40-75gm	25-35gm	6A, 250V~	Yellow	S
Extra low force	20-40gm	10-20gm	2A, 250V~	White	E

TABLE-2

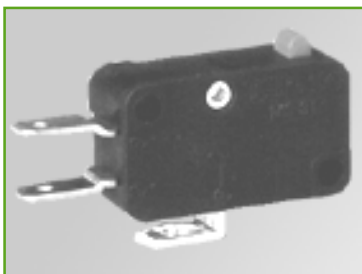
<p>WITHOUT LEVER</p>  <p>00</p>	<p>SHORT PLAIN LEVER</p>  <p>2 431 0057 01</p>	<p>MEDIUM PLAIN LEVER</p>  <p>2 431 0058 02</p>	<p>SHORT 'V'BEND LEVER</p>  <p>2 431 0059 03</p>	<p>SHORT 'N'BEND LEVER</p>  <p>2 431 0060 04</p>
<p>LONG 'Z'BEND LEVER</p>  <p>2 431 0061 05</p>	<p>SHORT BROAD LEVER</p>  <p>2 431 0062 06</p>	<p>AUX. SHORT LEVER</p>  <p>2 431 0063 07</p>	<p>AUX. ROLLER LEVER</p>  <p>2 431 0064 08</p>	<p>SHORT ROLLER LEVER</p>  <p>2 431 0065 09</p>
<p>SEMI-MEDIUM ROLLER LEVER</p>  <p>2 431 0066 10</p>	<p>MEDIUM ROLLER LEVER</p>  <p>2 431 0067 11</p>	<p>SHORT BROAD MED. LEVER</p>  <p>2 431 1457 12</p>	<p>MEDIUM 'V'BEND LEVER</p>  <p>2 431 1845 13</p>	<p>MEDIUM 'N'BEND LEVER</p>  <p>2 431 1843 14</p>

ORDERING EXAMPLE

MS 30	L	CO	4.8	00
Basic switch				Lever (see table-2)
Force & rating (see table-1)				Terminal size
			4.8±0.1x0.8±0.05	4.8
			6.3±0.1x0.8±0.05	6.3
Connection			Screw type MS	SC
Change over	CO			
Normally open	NO			
Normally closed	NC			

Micro switch MS 30, extra low force, changeover
With 4.8x0.8 terminals, without lever.

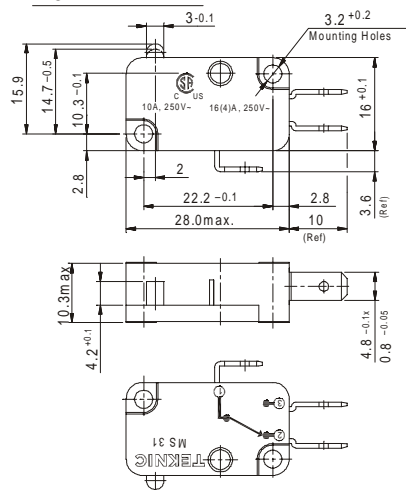
MICRO SWITCHES MS 31



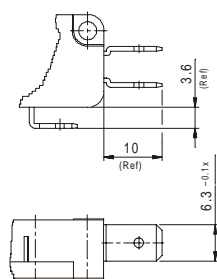
TEKNIC Miniature, snap action, Micro switches are robust in their construction and possess a built in precision, repeatability and reliability in their operation. They are versatile and find application in Domestic Appliances, Instrumentation, Telecommunication and other Electronic Equipment, etc. Our Microswitches have CSA approval.

MECHANISM: Single pole, snap action, change over contacts which may be used to provide a double throw switch to change from one circuit to another with a common supply line, or may be used as normally open or normally closed switches. The change over time in all cases is independent of the plunger speed.

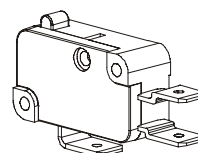
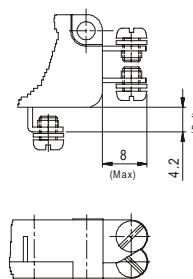
4.8 TERMINAL




6.3 TERMINAL



SCREW TYPE TERMINAL



TECHNICAL DATA

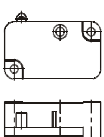
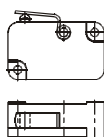
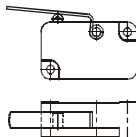
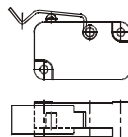
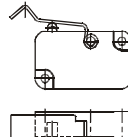
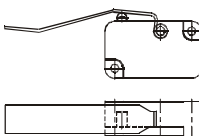
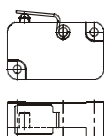
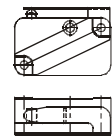
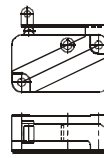
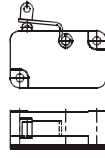
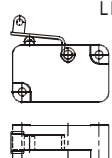
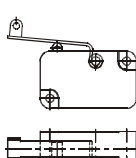
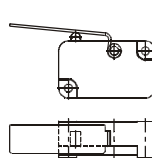
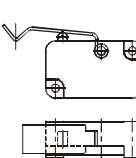
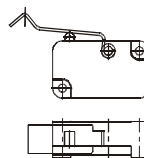
Rating	: 16(4)A,250V AC or 10(4)A,250V~	Movement differential : 0.4 mm (Max)
Mechanical endurance	: 1,00,000 cycles	Available overtravel : Depress to case
Electrical endurance	: 50,000 cycles	Fixing : By Screw Or Body Mounting
Initial insulation resistance	: > 100 megohms	Operating temperature : T85
Initial contact resistance	: < 10 milliohms	Reference standards : IS:6089,CSA C22.2 No.55 M1986
Di-electric strength	: Pole to body - 2000V Across open contacts - 750V	Degree of protection : IP 40
Contact gap	: 1.2 mm	Protection against electric shock : Class II appliances
Case material	: PBT (FR), Slider PBT	Glow wire test : Level C , 850 C
Contact material	: Silver/Silver Alloy	Degree of pollution : Normal
Terminal material	: Brass	Proof of tracking index : PTI 250V
Free position	: 15.9-0.2	Approvals : 
Operating position	: 14.7-0.5	

MICRO SWITCHES MS 31

TABLE-1

Rating	Low force	Medium force	High force
Std. 250V/125V AC	10(4)A	16(4)A	16(4)A
CSA. 250V/125V AC	10A	10A	10A
Operating Force	100-150 gms.	260-330 gms.	450-500 gms.
Release Force	60-120 gms.	130-170 gms.	200-250 gms.
Slider Colour	Green	Red	Black
Code	L	M	H

TABLE-2

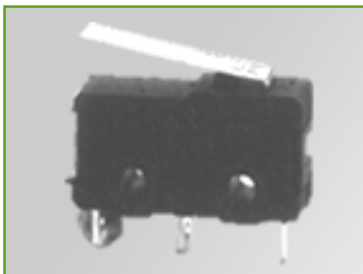
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<p>LONG 'Z' BEND LEVER</p>  <p>2 431 0061 05</p>	<p>SHORT BROAD LEVER</p>  <p>2 431 0062 06</p>	<p>AUX. SHORT LEVER</p>  <p>2 431 0063 07</p>	<p>AUX. ROLLER LEVER</p>  <p>2 431 0064 08</p>	<p>SHORT ROLLER LEVER</p>  <p>2 431 0065 09</p>
<p>SEMI-MEDIUM ROLLER LEVER</p>  <p>2 431 0066 10</p>	<p>MEDIUM ROLLER LEVER</p>  <p>2 431 0067 11</p>	<p>SHORT BROAD MED. LEVER</p>  <p>2 431 1457 12</p>	<p>MEDIUM 'V' BEND LEVER</p>  <p>2 431 1845 13</p>	<p>MEDIUM 'N' BEND LEVER</p>  <p>2 431 1843 14</p>

ORDERING EXAMPLE

MS31	L	CO	4.8	00
Basic switch				
Force & rating (see table 1)				
Connection				
Change over	CO			
Normally open	NO			
Normally closed	NC			
				Lever(see table-2)
				Terminal size
			4.8±0.1x0.8±0.05	4.8
			6.3±0.1x0.8±0.05	6.3
			SCREW TYPE MS	SR

Micro Switch MS 31, Low force, Change over contacts with 4.8±0.1x0.8±0.05 Contact Terminals, and Without lever.

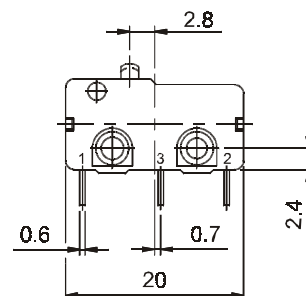
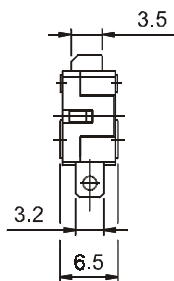
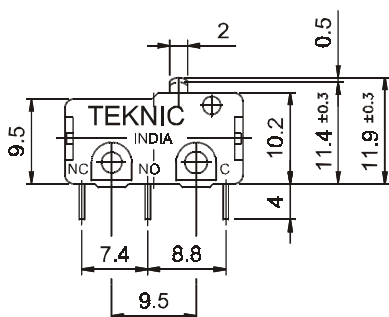
SUB MINIATURE MICRO SWITCHES MS 11



TEKNIC Sub-miniature Micro switches possess a high degree of repeatability and reliability in their operation. They find an application in telephone, computer, timer, kitchen machines and other electronic and electrical equipments.

MECHANISM : Single pole, Snap action, Change over contacts which may be used to provide a double throw switch to change from one circuit to another circuit with a common supply line or may be used as normally open or normally closed switches. The changeover time in all cases is fairly independent of the plunger speed. The contact points are an alloy of Silver suitable for long life.

ENCLOSURE : High grade flame retardant Nylon 66.



TECHNICAL DATA

Rating	: 5A, 250V AC	Case material	: PBT / Nylon
Mechanical endurance	: 1,00,000 cycles	Contact material	: Silver Alloy
Electrical endurance	: 50,000 cycles	Terminal material	: Brass
Operating force	: 150–30 gms.	Fixing	: PCB mounting/screws
Initial insulation resistance	: > 100 megohms	Operating temperature	: T85
Initial contact resistance	: < 10 milliohms	Reference standards	: IEC : 1026
Di-electric strength	: 1500V for 1 min. Between pole to body 750V across Micro disconnection	Degree of protection	: IP 40
Contact gap	: Micro disconnection	Protection against electric shock	: Class II appliances
		Glow wire test	: Level C , 850 C
		Degree of pollution	: Normal
		Proof of tracking index	: PTI 250V