

# TEKNIC

## SUB - MINIATURE MICRO SWITCH MS-11



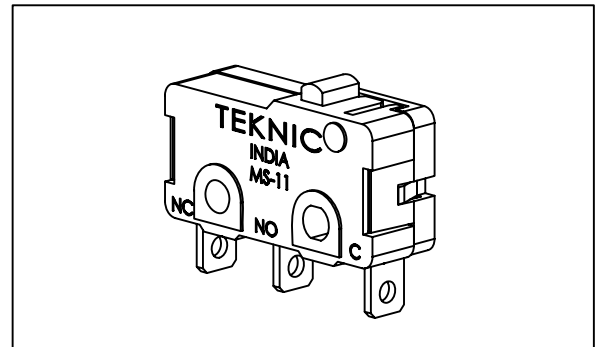
Sub - miniature Micro switches possess a high degree of repeatability and reliability in their operation. They find an application in telephone, computer, timer, kitchen machines and other electronic and electrical equipments.

### 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 & PLUNGER :

Flame retardant Thermoplastic, V0 - UL94.

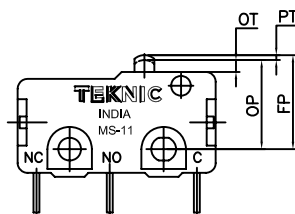


### TECHNICAL DATA :

UL & CSA RATING	: 5A , 125/250V AC , 24V DC
RATING	: 6(2)A , 250V AC
ELECTRICAL ENDURANCE	: 6000 CYCLES Min. AS PER UL 1054/CSA 22.2 NO.55
OPERATING FORCE	: HIGH FORCE 250gm Max.
INITIAL INSULATION RESISTANCE	: > 100 MEG.OHMS
DI-ELECTRIC STRENGTH	: 1500V AC FOR 1 MINUTE. BETWEEN POLE TO BODY 750V AC ACROSS MICRO DISCONNECTION
CONTACT GAP	: MICRO DISCONNECTION (μ)
CASE & PLUNGER MATERIAL	: THERMOPLASTIC (FR)
CONTACT MATERIAL	: SILVER / SILVER ALLOY
TERMINAL MATERIAL	: BRASS
FIXING	: BY SCREWS/ PCB/ BODY
OPERATING TEMPERATURE	: <b>T85 (STD)</b> , <b>T65 - UL 1054</b>
TERMINALS	: SOLDERABLE/ PCB
DEGREE OF PROTECTION	: IP 40
GLOW WIRE TEST	: LEVEL `C' , 850°C
DEGREE OF POLLUTION	: NORMAL
PROOF OF TRACKING INDEX	: PTI 175V
APPROVALS	: <b>UL</b> <b>CE</b>

### OPERATING CHARACTERISTICS WITHOUT LEVER:

	OF Max. (gf.)	RF Min. (gf.)	OP (mm)	PT Max. (mm)	MD Max. (mm)	FP Max. (mm)	OT Min. (mm)
H	250	H 45	8.5 ±0.4	1.0	0.2	9.4	0.4



OP - OPERATING POINT

PT - PRE TRAVEL

OT - OVER TRAVEL

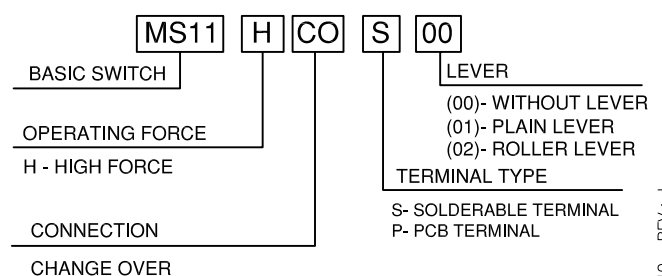
MD - MOVEMENT DIFFERENTIAL

FP - FREE POSITION

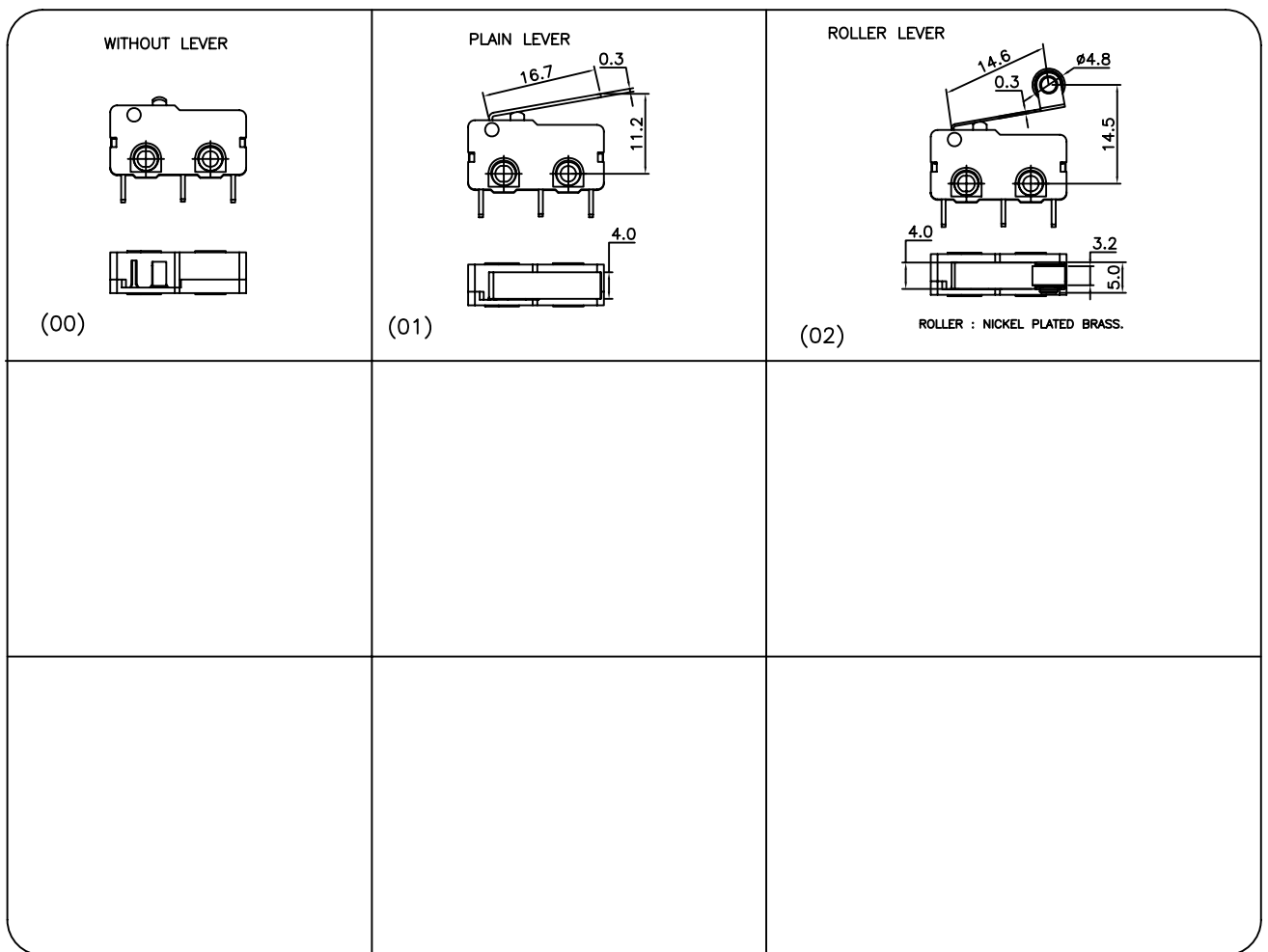
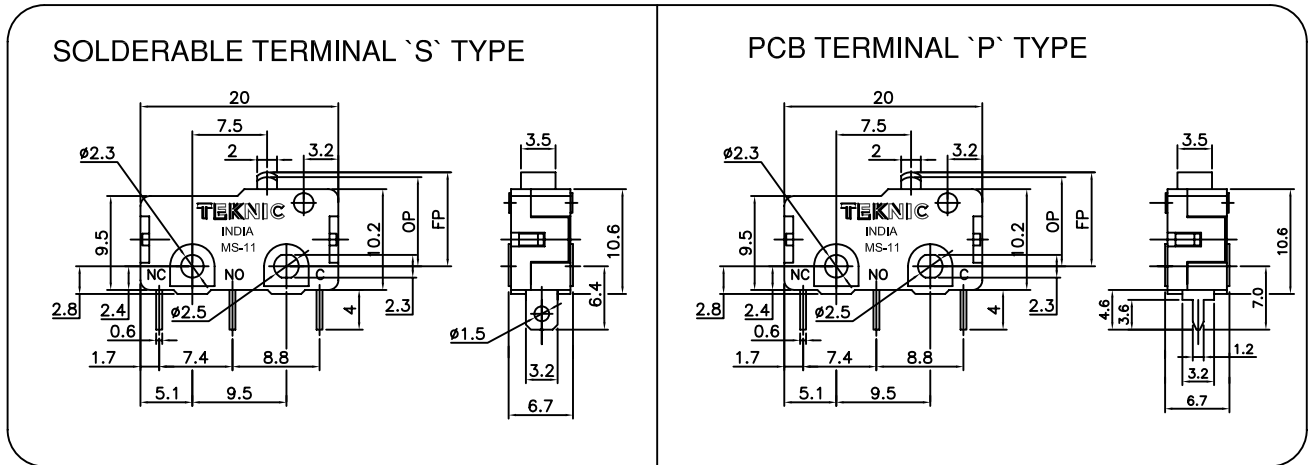
OF - OPERATING FORCE

RF - RETURN FORCE

### ORDERING EXAMPLE :



TERMINAL TYPES



For further details, please write to:

**TEKNIC ELECTROMECONICS PVT. LTD.**

Regd. : 36, SNS Chambers, 239, Sankey Road, Bangaluru-560 080  
 Office Tel. 0091-80-23617867, 23619348. Fax. 0091-80-23618607,  
 E-mail : venkatesh@teknicelectromeconics.co.in  
 Website: www.teknindia.com  
 Factory : 93, Electronic city Phase 1, 5th cross, Hosur Road, Bangaluru-560 100  
 Tel. 0091-80-28522716, 2820389, 28520714. Fax. 0091-80-28520254.  
 E-mail : tepl\_wks@teknico.in & planning@teknicelectromeconics.co.in  
 Head : 703, Madhava, Bandra Kurla Complex, Bandra(East), Mumbai - 400 051.  
 Office Tel. 0091-22-42532500. Fax. 0091-22-26592391  
 Email : teknic@vsnl.com  
 Website: www.teknico.in

# TEKNIC

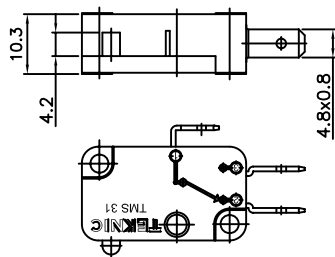
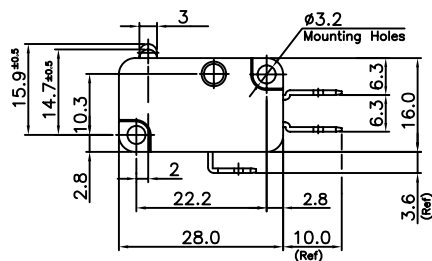


## MICRO SWITCH TMS-31

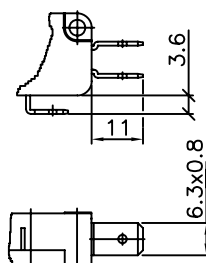
**TEKNIC** Snap action, Micro switches are Robust in their construction and possess a built in precision, repeatability and reliability in their operation. they are versatile and find application in Domestic Appliances, Instrumentation, Telecommunication and other Electronic Equipment, Including voting machines.

**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 independent of the plunger speed.

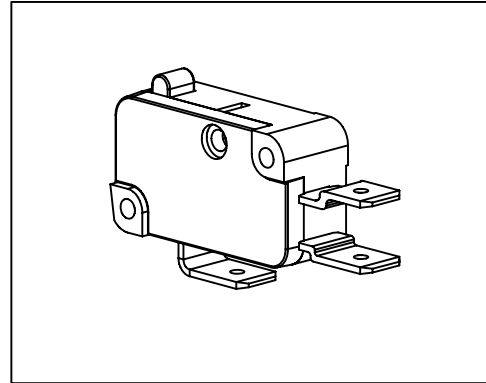
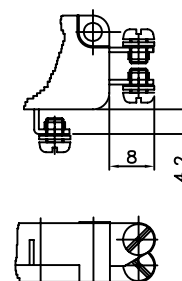
**TABLE 1:- Terminal Types**  
**48 TERMINAL**



**63 TERMINAL**



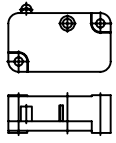
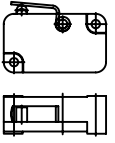
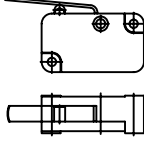
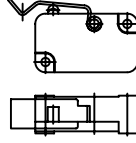
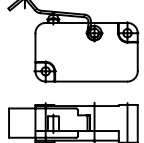
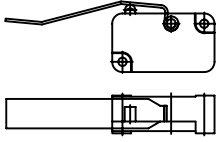
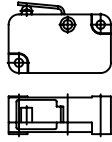
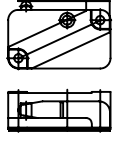
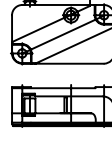
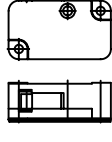
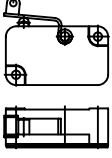
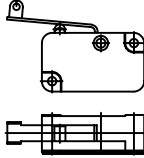
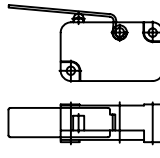
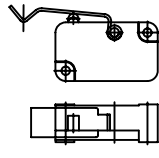
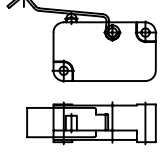
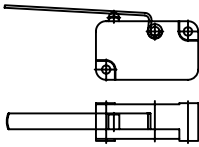
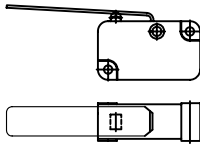
**SCREW TYPE TERMINAL**



### TECHNICAL DATA :

STANDARD RATING	: 16(2)A , 250V AC
ELECTRICAL ENDURANCE	: 10,000 CYCLES
INITIAL INSULATION RESISTANCE	: > 100 MEG.OHMS @500V DC FOR 1 MINUTE
DI-ELECTRIC STRENGTH	: POLE TO BODY-1500V FOR 1MIN. ACROSS OPEN CONTACTS - 750V
CASE/SLIDER MATERIAL	: PBT (FR),
TERMINAL MATERIAL	: BRASS
CONTACT MATERIAL	: SILVER ALLOY
FREE POSITION	: 15.9±0.5
OPERATING POSITION	: 14.7±0.5
FIXING	: BY SCREW OR BY BODY MOUNTING
OPERATING TEMPERATURE	: T85
DEGREE OF PROTECTION	: IP 40 (MECHANISM ONLY)
PROTECTION AGAINST ELECTRIC SHOCK	: CLASS II APPLIANCES
GLOW WIRE TEST RATING	: 850° C,
PROOF OF TRACKING INDEX	: PTI 175V

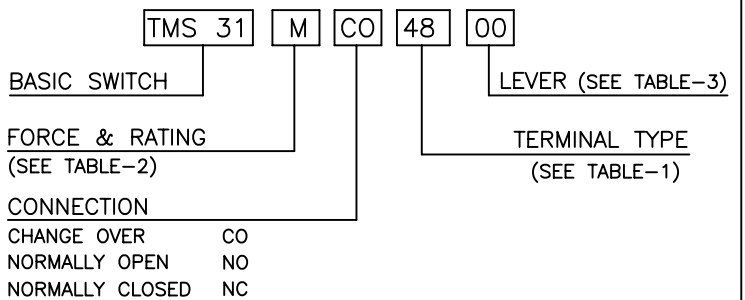
### TABLE 3:- Lever Type

<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 7112 (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 7097 (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 7111 (09)</p>
<p>SEMI-MEDIUM ROLLER LEVER</p>  <p>2 431 0066 (10)</p>	<p>MEDIUM ROLLER LEVER</p>  <p>2 431 7110 (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>
<p>LONG PLAIN LEVER</p>  <p>2 431 4835 (15)</p>	<p>LONG BROAD LEVER</p>  <p>2 431 7155 (16)</p>			

### TABLE 2:- Force & Rating

PARAMETER	MEDIUM FORCE	HIGH FORCE
STD.RATING 250V/125V AC	16(2)A	16(2)A
Operating force	400gf max.	550gf max.
Release force	200gf max.	300gf max.
Slider colour	RED	BLACK
Code	M	H

### ORDERING EXAMPLE:



Micro Switch TMS31, Medium force, Change over contacts with 4.8x0.8 contact terminals, and without lever.

For further details, please write to:

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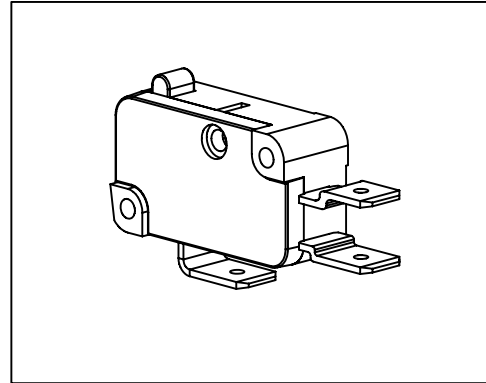
# TEKNIC



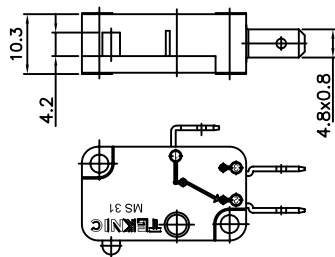
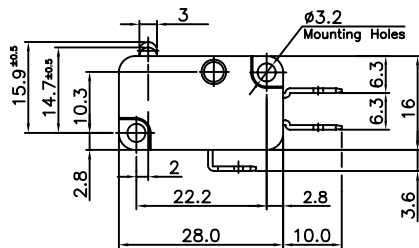
## MICRO SWITCH MS-31

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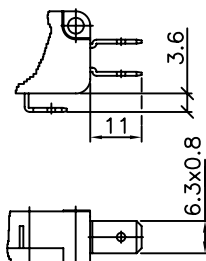
**MECHANISM** : Single pole, snap action, change over contacts which may be used to provide a double throw switch to change from one circuit to another with a common supply line, or may be used as normally open or normally closed switches. The changeover time in all cases is independent of the plunger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



**TABLE 1:- Terminal Types**  
**48 TERMINAL**



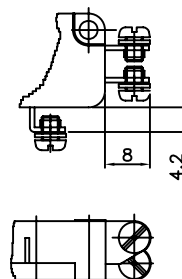
**63 TERMINAL**



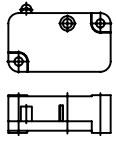
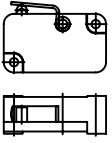
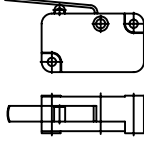
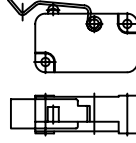
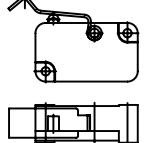
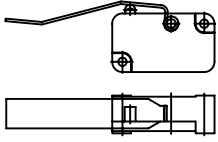
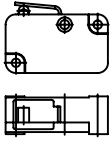
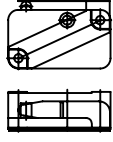
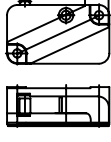
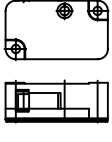
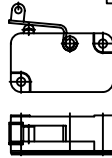
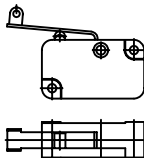
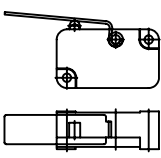
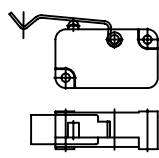
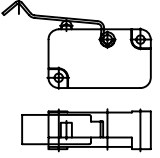
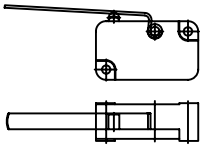
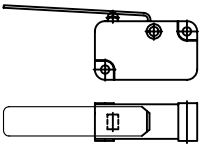
### TECHNICAL DATA :

UL & CSA RATING	: 16A , 125/250V AC
STANDARD RATING	: 16(4)A , 250V AC
ELECTRICAL ENDURANCE	: 6000 CYCLES Min.
INITIAL INSULATION RESISTANCE	: > 100 MEG.OHMS
DI-ELECTRIC STRENGTH	: POLE TO BODY-1500V FOR 1MIN. ACROSS OPEN CONTACTS - 750V
CONTACT GAP	: MICRODISCONNECTION ( $\mu$ )
CASE/SLIDER MATERIAL	: PBT (FR),
TERMINAL MATERIAL	: BRASS
CONTACT MATERIAL	: SILVER ALLOY
FREE POSITION	: 15.9
OPERATING POSITION	: 14.7
AVAILABLE OVERTRAVEL	: DEPRESS TO CASE
FIXING	: BY SCREW OR BY BODY MOUNTING
OPERATING TEMPERATURE	: T85
REFERANCE STANDARDS	: CSA C22.2 No.55 M1986
DEGREE OF PROTECTION	: IP 40 (MECHANISM ONLY)
GLOW WIRE TEST RATING	: 850° C,
DEGREE OF POLLUTION	: NORMAL
PROOF OF TRACKING INDEX	: PTI 175V
APPROVALS	:  c us

### SCREW TYPE TERMINAL



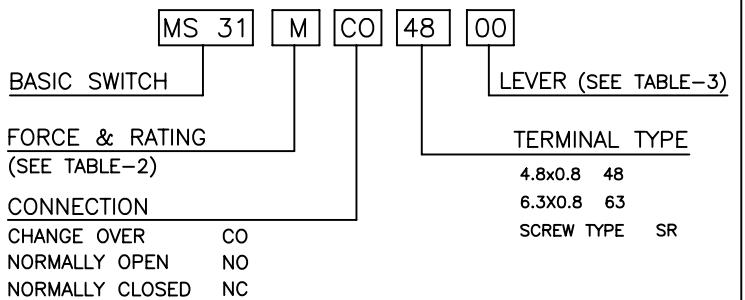
### TABLE 3:- Lever Type

WITHOUT LEVER  (00)	SHORT PLAIN LEVER  2 431 0057 (01)	MEDIUM PLAIN LEVER  2 431 7112 (02)	SHORT'V'BEND LEVER  2 431 0059 (03)	SHORT'N'BEND LEVER  2 431 0060 (04)
LONG'Z'BEND LEVER  2 431 0061 (05)	SHORT BROAD LEVER  2 431 7097 (06)	AUX. SHORT LEVER  2 431 0063 (07)	AUX. ROLLER LEVER  2 431 0064 (08)	SHORT ROLLER LEVER  2 431 7111 (09)
SEMI-MEDIUM ROLLER LEVER  2 431 0066 (10)	MEDIUM ROLLER LEVER  2 431 7110 (11)	SHORT BROAD MED. LEVER  2 431 1457 (12)	MEDIUM'V'BEND LEVER  2 431 1845 (13)	MEDIUM'N'BEND LEVER  2 431 1843 (14)
LONG PLAIN LEVER  2 431 4835 (15)	LONG BROAD LEVER  2 431 7155 (16)			

### TABLE 2:- Force & Rating

PARAMETER	MEDIUM FORCE	HIGH FORCE
STD.RATING 250V/125V AC	16(4)A	16(4)A
Operating force	400gf max.	550gf max.
Release force	200gf max.	300gf max.
Slider colour	RED	BLACK
Code	M	H

### ORDERING EXAMPLE:



Micro Switch MS31, Medium force, Change over contacts with 4.8x0.8 contact terminals, and without lever.

For further details, please write to:

### TEKNIC ELECTROMECONICS PVT. LTD.

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 E-mail : tepl\_wks@teknic.co.in & planning@teknic-electromeconics.co.in

Head : 703, Madhava, Bandra Kurla Complex, Bandra(East), Mumbai - 400 051.  
 Office Tel. 0091-22-42532500. Fax. 0091-22-26592391

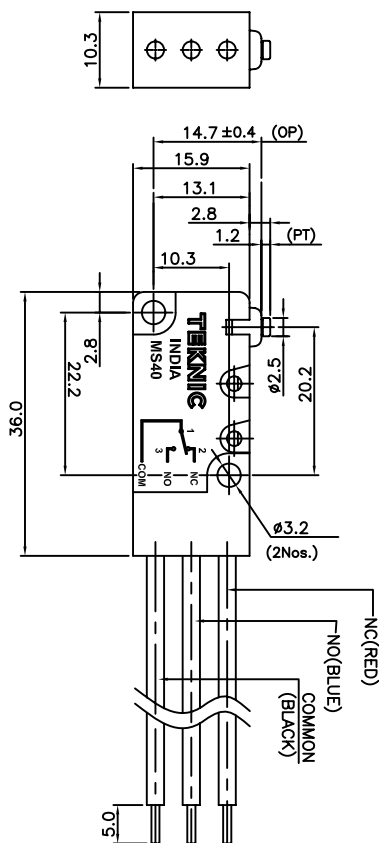
Email : teknic@vsnl.com  
 Website: www.teknic.co.in

# TEKNIC

## SUB - MINIATURE MICRO SWITCH MS-40

TEKNIC miniature, snap action, sealed microswitches are robust in their construction and possess a built in precision, repeatability and reliability in their operation. They are versatile and find application in Automobiles, Home appliances, agricultural m/cs and industrial equipment which require high environmental resistance.

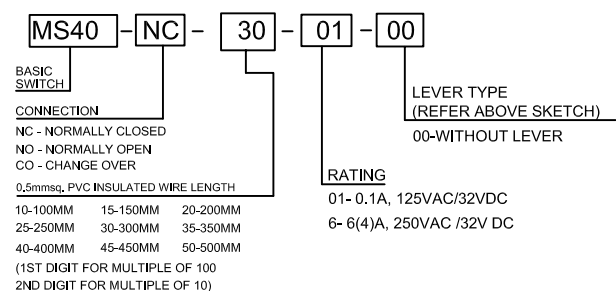
**MECHANISM:** Single pole, snap action, change over contacts which may be used to provide a double throw switch to change from one circuit to another with a common supply line, or may be used as normally closed or normally open switches. The change-over time in all the cases is independent of the plunger speed. The epoxy resin and the seal used gives a very good protection against the ingress of dust and water.

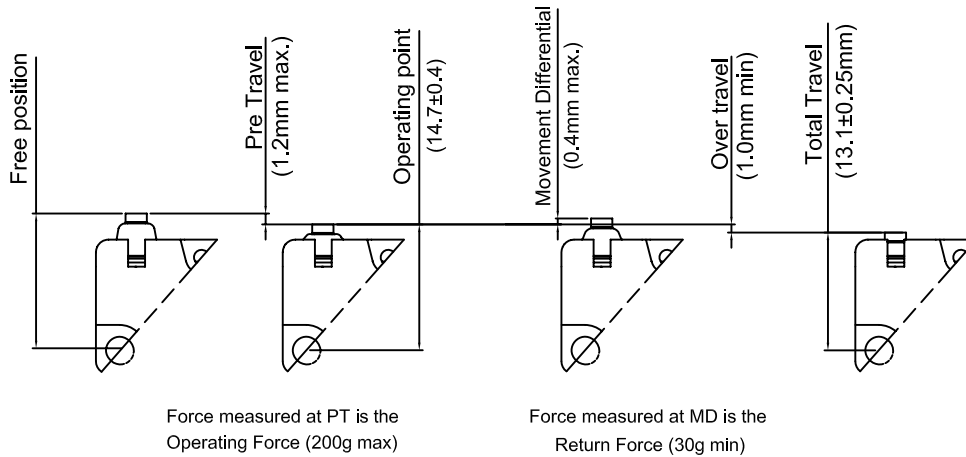


### TECHNICAL DATA :

CSA RATING	: 0.1A, 125V AC 0.1A, 32V DC 6A, 125/250 V AC 6A, 32V DC
RATING	: 6(4)A, 250V AC
MECHANICAL ENDURANCE	: 1,000,000 CYCLES (min.)
ELECTRICAL ENDURANCE AT ACTUAL LOAD	: 1,000,000 CYCLES (min.) for rating of 0.1A, 125VAC/32VDC 10,000 CYCLES (min.) for rating of 6(4)A, 250V AC
INITIAL INSULATION RESISTANCE	: > 100 M $\Omega$ (AT 500 VDC)
CONTACT GAP	: MICRO DISCONNECTION $\mu$
DI-ELECTRIC STRENGTH	: 1500V FOR 1 MIN. BETWEEN POLE TO BODY 750V ACROSS MICRO DISCONNECTION
CASE MATERIAL	: PBT (GF)
TERMINAL MATERIAL	: BRASS
MOUNTING	: M3 MOUNTING SCREWS WITH PLAIN OR SPRING WASHER IS RECOMMENDED. SCREWS TO BE TIGHTENED WITH A TORQUE OF 0.4 TO 0.6 N m
CONTACT MATERIAL	: SILVER (Gold plated Ag)-crossbar for rating of: 0.1A, 125VAC/32VDC SILVER / SILVER ALLOY for rating of 6(4)A, 250VAC
OPERATING TEMPERATURE	: T85
DEGREE OF PROTECTION	: IEC IP 67
GLOW WIRE TEST RATING	: 850°C
DEGREE OF POLLUTION	: NORMAL
PROOF OF TRACKING INDEX	: PTI 175V
VIBRATION RESISTANCE	: 20G, 50 TO 250Hz
SHOCK RESISTANCE	: 20G
APPROVALS	:

### ORDERING CODE





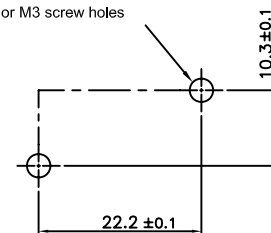
WITHOUT LEVER	SHORT PLAIN LEVER	MEDIUM PLAIN LEVER	SHORT ROLLER LEVER	LONG PLAIN LEVER
<p>(00)</p>	<p>(01)</p>	<p>(02)</p>	<p>(09)</p>	<p>(15)</p>

#### OPERATING CHARACTERISTICS WITHOUT LEVER

OPERATING FORCE (OF)	: 200 gms (1.96 N) MAX.
RETURN FORCE (RF)	: 30 gms (0.29 N) MIN.
PRE TRAVEL (PT)	: 1.2 mm (MAX)
OVER TRAVEL (OT)	: 1.0 mm (MIN)
MOVEMENT DIFFERENTIAL (MD)	: 0.4 mm (MAX)
OPERATING POINT (OP)	: 14.7 ±0.4 mm
TOTAL TRAVEL	: 13.1 ±0.25 mm

#### MOUNTING HOLE DIMENSION

Two Ø3.2 mounting holes  
or M3 screw holes



**For further details, please write to:**

### TEKNIC ELECTROMECONICS PVT. LTD.

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# TEKNIC



## MICRO SWITCH MS-40N

**TEKNIC** 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, Tele-communication and other Electronic Equipment.

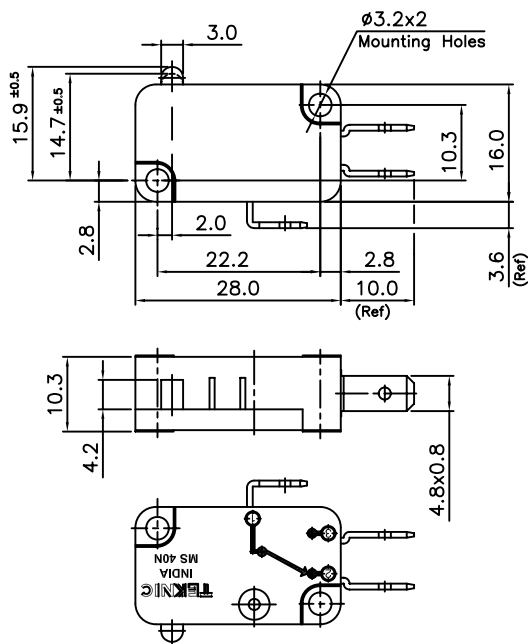
### MECHANISM :

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 independent of the plunger speed.



### TERMINAL TYPES :

#### 4.8x0.8 TERMINAL

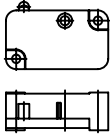
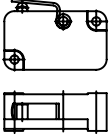
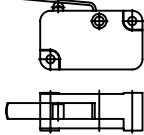
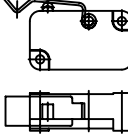
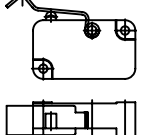
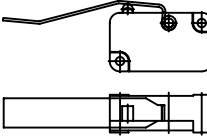
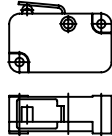
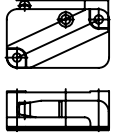
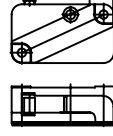
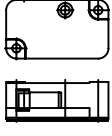
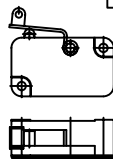
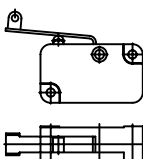
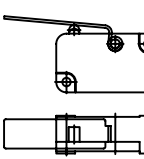
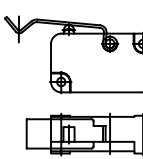
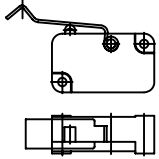
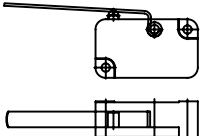
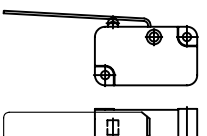


### TECHNICAL DATA :

UL & CSA RATING	: 6A, 125/250V AC , 6A, 32V DC (LOW FORCE <100gf) 16 A, 125/250 V AC, 1/2 HP, 16 A 32 V DC (MEDIUM FORCE <350gf)
STANDARD RATING	: 6(2)A, 250V AC (LOW FORCE <100gf) 16(4)A, 250 V AC (MEDIUM FORCE <350gf)
ELECTRICAL ENDURANCE	: 6,000 CYCLES as per UL 1054 & CSA- C22.2 No. 55-M1986.
INITIAL INSULATION RESISTANCE	: > 100 MEGOHMS.
CONTACT GAP	: MICRO DISCONNECTION (μ)
DI-ELECTRIC STRENGTH	: POLE TO BODY - 1500V ACROSS OPEN CONTACTS - 750V
HOUSING ,COVER & PLUNGER	: PBT FR (UL94 V0 FLAMABILITY CLASS)
CONTACT MATERIAL	: SILVER / SILVER ALLOY
TERMINAL MATERIAL	: COPPER ALLOY
FREE POSITION	: 15.9 ±0.5
OPERATING POINT (OP)	: 14.7 ±0.5
AVAILABLE OVER TRAVEL	: DEPRESS TO CASE
FIXING	: BY SCREW OR BY BODY MOUNTING
OPERATING TEMPERATURE	: T 85 (STD) T 65 - UL 1054
DEGREE OF PROTECTION	: IP 40 (MECHANISM ONLY)
REFERENCE STANDARDS	: CSA-C22.2 No.55-M1986. UL-1054
GLOW WIRE TEST RATING	: 850° C,
PROOF OF TRACKING INDEX	: PTI 175 V
APPROVALS	:  US C US

<h4>6.3x0.8 TERMINAL</h4>	<h4>SCREW TYPE TERMINAL</h4>	<h4>SOLDER TYPE TERMINAL</h4>
---------------------------	------------------------------	-------------------------------

# TABLE B:- Lever Type

<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 7112 (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 7097 (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 7111 (09)</p>
<p>SEMI-MEDIUM ROLLER LEVER</p>  <p>2 431 0066 (10)</p>	<p>MEDIUM ROLLER LEVER</p>  <p>2 431 7110 (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>
<p>LONG PLAIN LEVER</p>  <p>2 431 4835 (15)</p>	<p>LONG BROAD LEVER</p>  <p>2 431 7155 (16)</p>			

## ORDERING EXAMPLE:

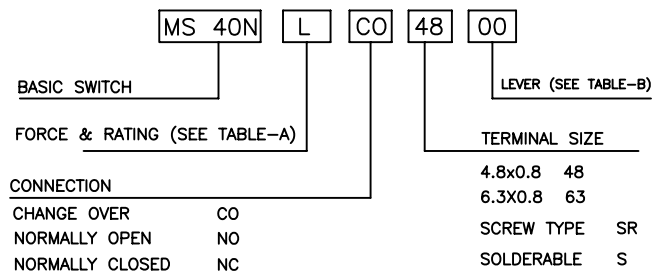


TABLE-A : Force & Rating

PARAMETER	MEDIUM FORCE	LOW FORCE
STANDARD RATING	16(4)A, 250V AC	6(2)A, 250V AC
UL & CSA RATING	16A, 125/250 V AC, 1/2 HP, 16A 32 V AC	6A, 125V/250 V AC, 6A, 32 V DC
OPERATING FORCE	350 gf (Max)	100 gf (Max)
SLIDER COLOUR	RED	YELLOW
CODE	M	L

Micro Switch MS 40N, Low force, Change over contacts with 4.8x0.8 Contact Terminals, without lever.

For further details, please write to:

### TEKNIC ELECTROMECONICS PVT. LTD.

Regd. : 36, SNS Chambers, 239, Sankey Road, Bangaluru-560 080  
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 E-mail : venkatesh@teknicelectromeconics.co.in  
 Website: www.teknicelectromeconics.com  
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 Tel. 0091-80-28522716, 2820389, 28520714. Fax. 0091-80-28520254.  
 E-mail : tepl\_wks@teknicelectromeconics.co.in & planning@teknicelectromeconics.co.in  
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# TEKNIC

## PUSH BUTTON ACTUATOR - P 42

P 42 is a push button actuator and is aesthetically elegant and suitable for panel mounting with nut. The actuator finds applications in electrical & electronic control panels. Our micro switch model MS31, MEDIUM FORCE with change over contacts & 4.8 X 0.8mm terminals is the integral part of push button actuator

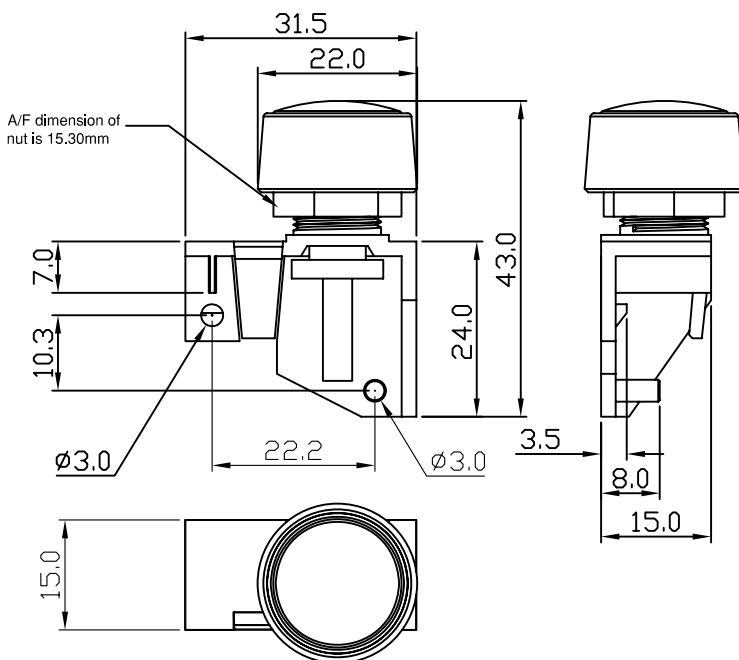
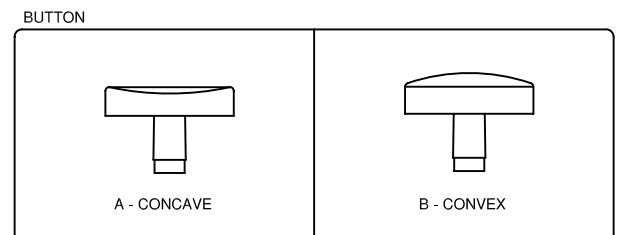
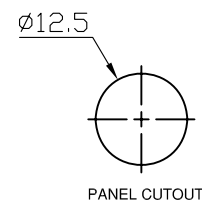


### TECHNICAL DATA

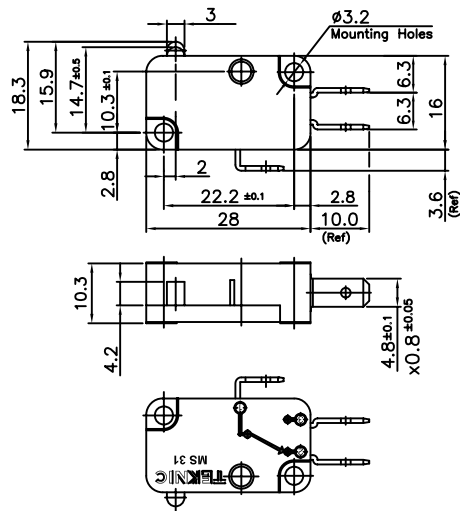
BRACKET / SLIDER / BUTTON / NUT / BUTTON COVER	: THERMOPLASTIC
FIXING	: BY NUT
OPERATING TEMPERATURE	: T85
TYPE OF BUTTON	: CONCAVE / CONVEX

### ORDERING EXAMPLE

<b>P 42</b>	<b>A</b>	<b>WH</b>	<b>00</b>	
Basic actuator	Button shape	Colour of button		00 - Without MS31 switch 01 - With MS31 switch
	A - CONCAVE B - CONVEX	BK - BLACK WH - WHITE GR - GREEN RD - RED BL - BLUE YL - YELLOW		

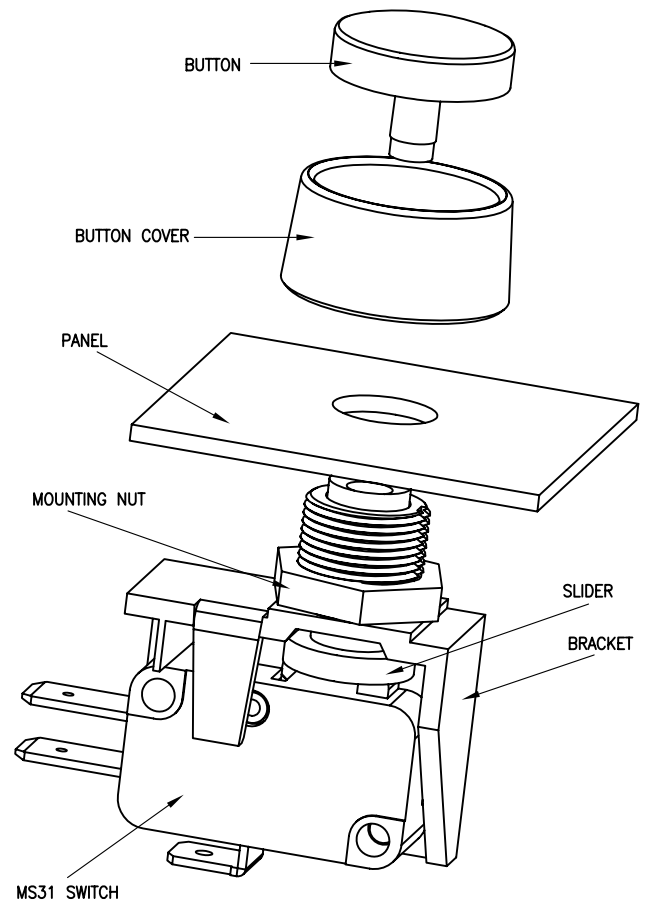


## MICRO SWITCH MS31 DIMENSIONAL DETAILS



### MICRO SWITCH MS31 TECHNICAL DATA

RATING	: 16A , 125/250V AC ,32V DC
FUNCTION	: CO ( CHANGE OVER )
INITIAL INSULATION RESISTANCE	: > 100 MEG.OHMS
DI-ELECTRIC STRENGTH	: POLE TO BODY-1500V FOR 1MIN. ACROSS OPEN CONTACTS - 750V
CONTACT GAP	: MICRO DISCONNECTION ( $\mu$ )
CASE/SLIDER MATERIAL	: THERMOPLASTIC
TERMINAL MATERIAL	: BRASS
CONTACT MATERIAL	: SILVER/SILVER ALLOY
FIXING	: BY BODY MOUNTING
OPERATING TEMPERATURE	: T85
OPERATING FORCE	: 350gms max.
ELECTRICAL ENDURANCE	: 6000 CYCLES Min.
DEGREE OF PROTECTION	: IP 40 (MECHANISM ONLY)
GLOW WIRE TEST RATINGS	: 850°C
DEGREE OF POLLUTION	: NORMAL
PROOF OF TRACKING INDEX	: PTI 175V



ALL DIMENSIONS ARE IN MM

For further details, please write to:

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Website: www.teknic.co.in

# TEKNIC

## PUSH BUTTON ACTUATOR - P 43



P 43 is a push button actuator and is aesthetically elegant and suitable for panel mounting with nut . The actuator finds applications in electrical & electronic control panels . Our sub miniature micro switch model MS11, "HIGH FORCE" with solderable terminals is the integral part of push button actuator



### TECHNICAL DATA

BRACKET / SLIDER / BUTTON / : THERMOPLASTIC  
NUT / BUTTON COVER

FIXING : BY NUT

OPERATING TEMPERATURE : T85

TYPE OF BUTTON : CONCAVE / CONVEX

### ORDERING EXAMPLE

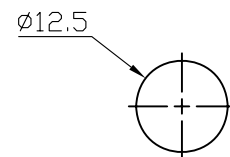
**P 43** **A** **WH** **00**

Basic actuator

Button shape  
A - CONCAVE  
B - CONVEX

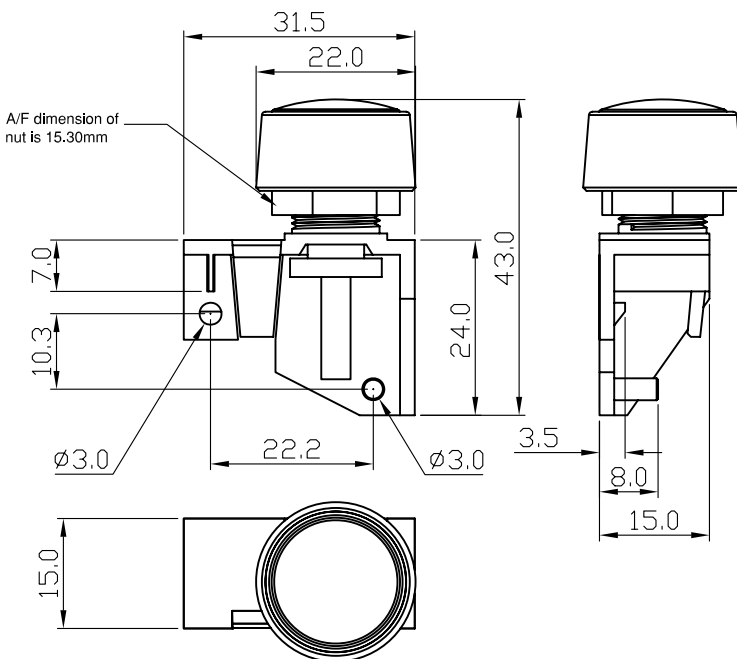
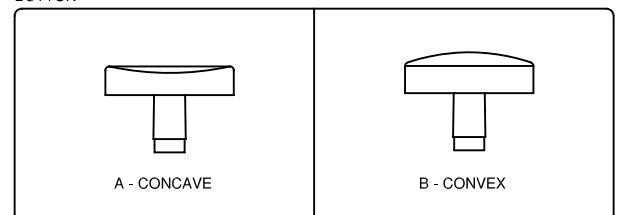
Colour of button  
BK - BLACK  
WH - WHITE  
GR - GREEN  
RD - RED  
BL - BLUE  
YL - YELLOW

00 - Without MS11 switch  
01 - With MS11 switch

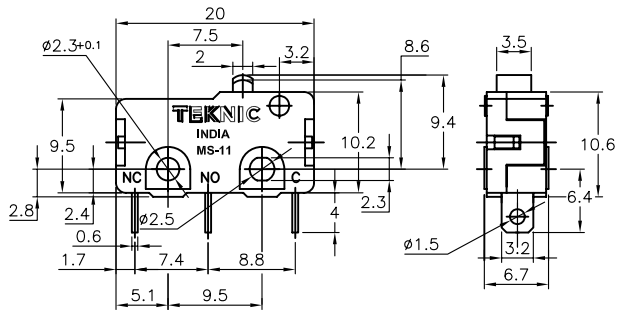


PANEL CUTOUT

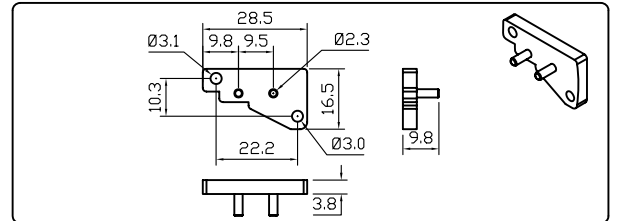
### BUTTON



## MICRO SWITCH MS11 DIMENSIONAL DETAILS



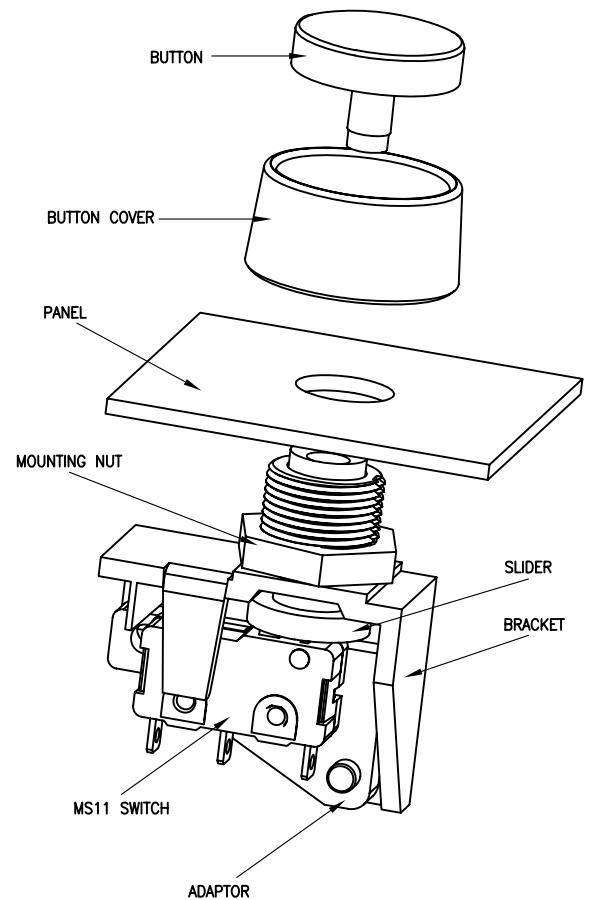
## ADAPTOR FOR SUB MINIATURE MICRO SWITCH MODEL MS11



## MICRO SWITCH MS11

### TECHNICAL DATA :

UL & CSA RATING	: 5A , 125/250V AC , 24V DC
RATING	: 6(2)A , 250V AC
ELECTRICAL ENDURANCE	: 6000 CYCLES Min. AS PER UL 1054/CSA 22.2 NO.55
OPERATING FORCE	: HIGH FORCE 250gm Max.
INITIAL INSULATION RESISTANCE	: > 100 MEG.OHMS
DI-ELECTRIC STRENGTH	: 1500V AC FOR 1 MINUTE. BETWEEN POLE TO BODY 750V AC ACROSS MICRO DISCONNECTION
CONTACT GAP	: MICRO DISCONNECTION ( $\mu$ )
CASE & PLUNGER MATERIAL	: THERMOPLASTIC (FR)
CONTACT MATERIAL	: SILVER / SILVER ALLOY
TERMINAL MATERIAL	: BRASS
FIXING	: BY BODY MOUNTING
OPERATING TEMPERATURE	: T85 (STD), T65 - UL 1054
TERMINALS	: SOLDERABLE/ PCB
DEGREE OF PROTECTION	: IP 40
GLOW WIRE TEST	: LEVEL 'C', 850°C
PROOF OF TRACKING INDEX	: PTI 175V



ALL DIMENSIONS ARE IN MM

For further details, please write to:

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