



TACT
SWITCH

PUSH
BUTTON
SWITCH

LED TOUCH
SENSOR
SWITCH

5 DIRECTION
NAVIGATION
SWITCH

MEMBRANE
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LED LIGHT
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SLIDE
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DETECT
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ENCODER

INTERUPTER

MINIATURE
MICRO
SWITCH

TELEPHONE
HOOK
SWITCH

DOOR
SWITCH

MINI SIZE
SOCKET

KNOB

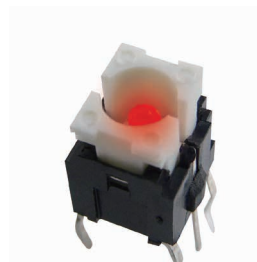
CAP
SYMBOL

Feature :

- Small size
- Bi-color LED illuminated available
- Long electrical life cycles

Application :

- Consumer products
- Computer products
- Instrumentation
- Communication equipments

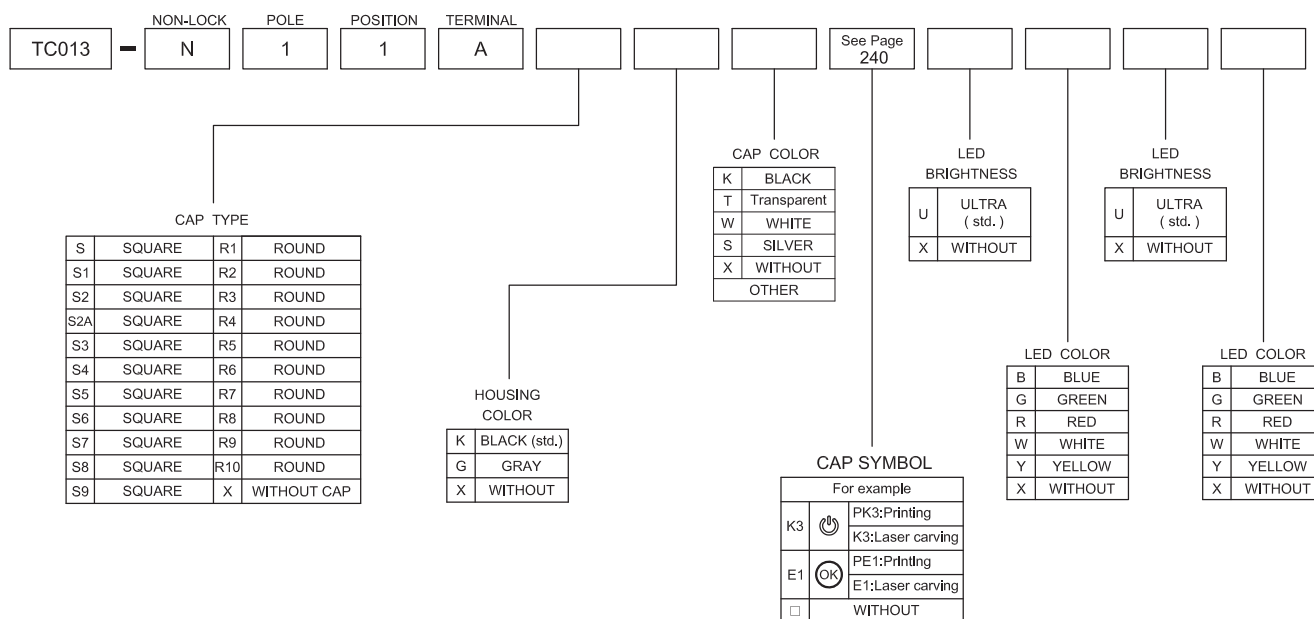


SWITCH SPECIFICATIONS	
POLE - POSITION	1P1T , with LED
CONTACT RATING	12 V DC , 50 mA
CONTACT RESISTANCE	100 mΩ MAX. 1.5 V DC ; 100 mA , by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ MIN. 500 V DC
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 500 V AC for 1 Minute
OPERATING FORCE	180 ± 50 gf
OPERATING LIFE	500,000 cycles
OPERATING TEMPERATURE RANGE	-40°C ~ 85°C
TOTAL TRAVEL	0.2 ± 0.1 mm

LED SPECIFICATIONS							
ATTENTION LEDs are Electrostatic Sensitive devices 	Unit	Value / LED Color					
		Blue (5mA)	Pure Green	Red	Yellow	Orange	Green White
LUMINOUS INTENSITY@20mA I _v	mcd	25	180	200	200	250	55 250
Dominant Wavelength λ _D	nm	470	525	630	590	601	567 /
FORWARD VOLTAGE@20mA V _f	V	2.8	3.2	1.95	2	2.1	2.1 4

■ A single bin cannot be ordered, please contact us in advance if you need a particular bin sorting before placing your order to clarify the lead time, MOQ and pricing

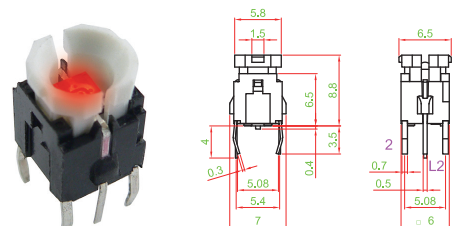
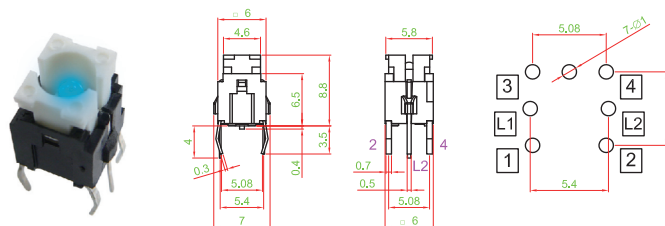
► HOW TO ORDER



DIMENSION

TC013-N11AXXX□□□□

TC013-N11AS1XX□□□□



CAP TYPE (NO HOUSING/ CAP ONLY)



S TYPE



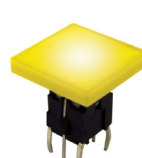
S3 TYPE



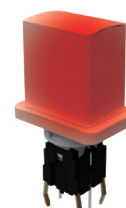
S4 TYPE



S5 TYPE



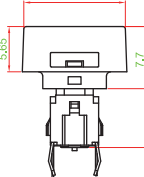
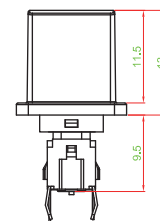
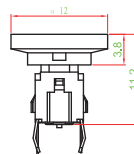
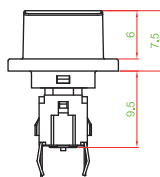
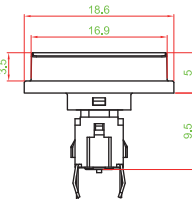
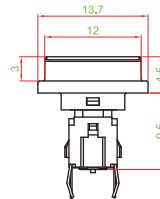
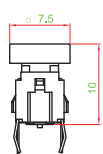
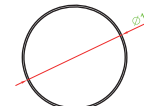
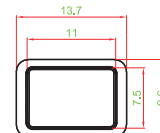
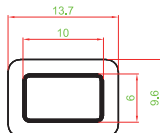
S6 TYPE



S7 TYPE



R4 TYPE



CAP WITH HOUSING



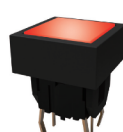
S TYPE



S1 TYPE



S2 TYPE



S2A TYPE



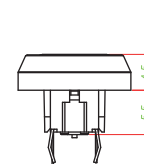
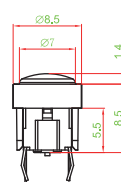
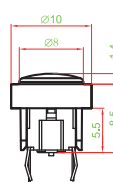
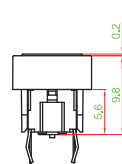
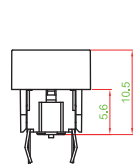
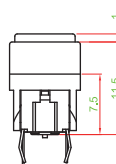
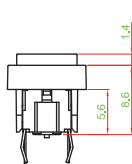
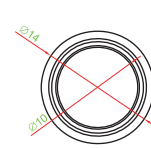
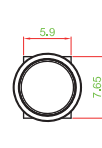
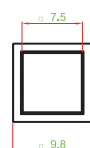
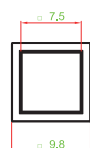
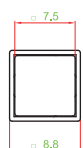
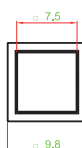
R1 TYPE



R2 TYPE



R3 TYPE


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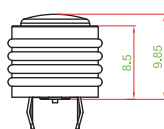
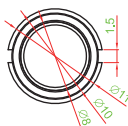
KNOB

CAP
SYMBOL

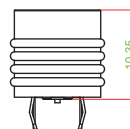
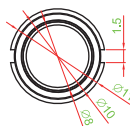
► CAP WITH HOUSING



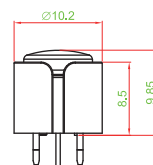
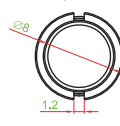
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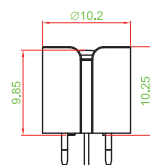
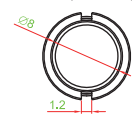
R6 TYPE



R7 TYPE (ODM)



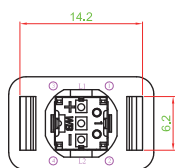
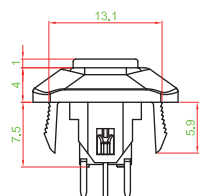
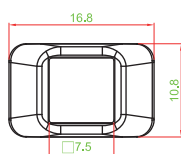
R8 TYPE (ODM)



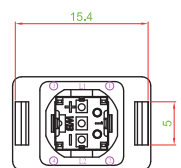
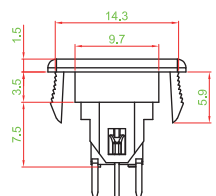
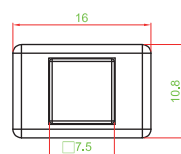
► CAP WITH HOUSING (PANEL MOUNT)



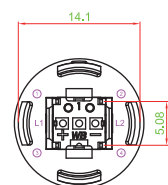
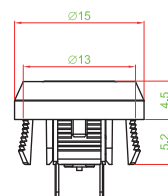
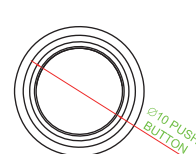
S8 TYPE



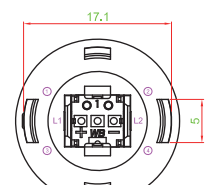
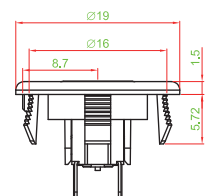
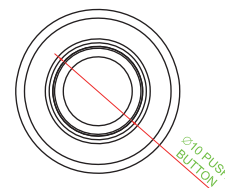
S9 TYPE



R9 TYPE



R10 TYPE



► PANEL CUT OUT

PANEL THICK	W
0.75 ~ 1.25	13.2 ~ 13.3
1.25 ~ 2.0	13.3 ~ 13.4
2.0 ~ 3.0	13.4 ~ 13.5

► PANEL CUT OUT

PANEL THICK	W
0.75 ~ 1.25	14.4 ~ 14.5
1.25 ~ 2.0	14.5 ~ 14.6
2.0 ~ 3.0	14.6 ~ 14.7

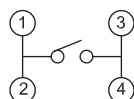
► PANEL CUT OUT

Z	D
0 ~ 0.5	13.0 ~ 13.1
0.5 ~ 2.0	13.1 ~ 13.2
2.0 ~ 2.5	13.2 ~ 13.4
2.5 ~ 3.0	13.4 ~ 13.6
3.0 ~ 3.5	13.6 ~ 13.8

► PANEL CUT OUT

Z	D
0 ~ 0.5	16.0 ~ 16.1
0.5 ~ 2.0	16.1 ~ 16.2
2.0 ~ 2.5	16.2 ~ 16.4
2.5 ~ 3.0	16.4 ~ 16.6
3.0 ~ 3.5	16.6 ~ 16.8

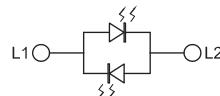
► CIRCUIT



SINGLE COLOR



TWO COLOR



Mouser Electronics

Authorized Distributor

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[TC013-N11AR3KKK3UYXX](#) [TC013-N11AR4XKK3URXX](#) [TC013-N11AR5KKP2URUG](#) [TC013-N11AR6KKF1URUG](#)
[TC013-N11ASKKUGUB](#) [TC013-N11ASKKUGXX](#) [TC013-N11ASKKURXX](#) [TC013-N11ASKKUYXX](#) [TC013-](#)
[N11AS8KTUWXX](#) [TC013-N11AR9KKK3UBXX](#) [TC013-N11AR9KSK3URXX](#) [TC013-N11AR1KKK3UBXX](#) [TC013-](#)
[N11AR1KKK3URXX](#) [TC013-N11AR1KKK3UWXX](#) [TC013-N11AR1KKK5UBXX](#) [TC013-N11AR1KKK5URUB](#) [TC013-](#)
[N11AR2KKP3URXX](#) [TC013-N11AR2KKP4UGXX](#) [TC013-N11AR2KKXXXX](#) [TC013-N11AR2KWURXX](#) [TC013-](#)
[N11AR2XKK3UBXX](#) [TC013-N11AR4XKK3UBUR](#) [TC013-N11AR4XKK3UBXX](#) [TC013-N11AR4XKK3UGUR](#)