



Feature -


- water proof IP67 sealed
- medium size,
- bi-color LED illuminated available
- long electrical life cycles
- SMT and vertical PCB terminal

Application -

- consumer products
- computer products
- instrumentation
- communication equipments

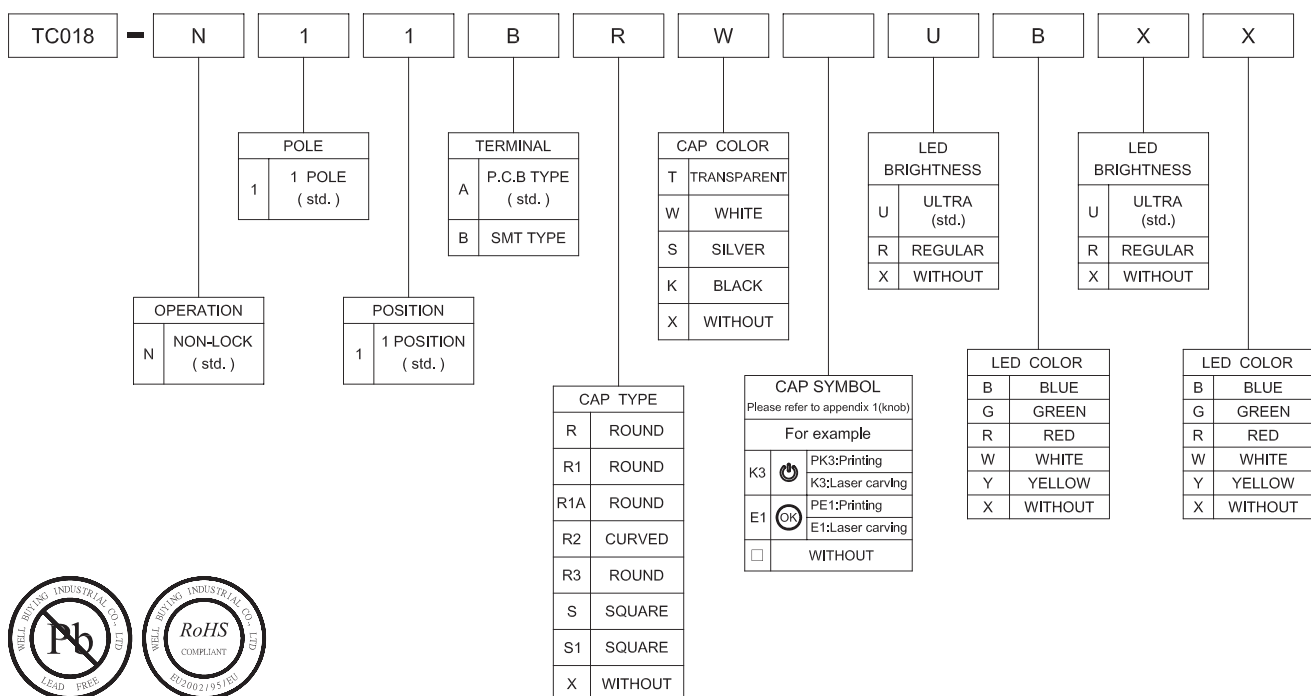
► **SPECIFICATIONS**

SWITCH SPECIFICATIONS	
POLE - POSITION	1P1T , with LED
CONTACT RATING	24 V DC , 50 mA
CONTACT RESISTANCE	50 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	300 ± 100 gf
OPERATING LIFE	1,500,000 cycles
OPERATING TEMPERATURE RANGE	-30°C ~ 85°C
TOTAL TRAVEL	1.0 ± 0.3 mm
SEALING	IP67

LED SPECIFICATIONS		Value / LED Color					
	Unit	Blue	Green	Red	White	Yellow	
		 ATTENTION LEDs are Electrostatic Sensitive devices					
FORWARD CURRENT	If	mA	30	30	15	30	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	3.5-4.0	1.7-2.8	1.7-2.8	3.3-3.8	1.7-2.8
LUMINOUS INTENSITY@10mA	Iv	mcd	@20mA 180-245	24-40	4.0-7.0	@20mA 145	18-30

■ Physical and electrical information of LED will be provided upon customer's request on switches .

► **HOW TO ORDER**



▶ FRAME TYPE OPTION		▶ CAP TYPE	
<p>TC018-N11AXX □ □ □ □</p>	<p>TC018-N11BXX □ □ □ □</p>	<p>TC018-N11ART □ □ □ □</p>	
<p>TC018-N11AR1T □ □ □ □</p>	<p>TC018-N11AR1AT □ □ □ □</p>	<p>TC018-N11AST □ □ □ □</p>	
<p>TC018-N11AS1T □ □ □ □</p>	<p>TC018-N11AR2T □ □ □ □</p>	<p>TC018-N11AR3T □ □ □ □</p>	
▶ CIRCUIT		▶ P.C.B LAYOUT	
<p>SINGLE LED COLOR</p> <p>DUAL LED COLOR</p>	<p>SMT TYPE</p>	<p>P.C.B. TYPE</p>	
▶ MATERIAL			
<ul style="list-style-type: none"> ■ ACTUATOR - PA ■ TERMINAL - BRASS SILVER PLATING 	<ul style="list-style-type: none"> ■ FRAME - PA ■ SPRING - STAINLESS STEEL 		

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
A	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
B	A	B	C	D	E	F	G	H	I	J	CH5	CH6	DSK	PIP	C-KEY	CUT	TAKE	REC	ENG	PROD	
C	K	L	M	N	O	P	Q	R	S	T	REPLAY	RET1	RET2	KEY ON	AUTO TAKE	A1	A2	A3	A4	0	
D	U	V	W	X	Y	Z	POWER	ON OFF	ON	OFF	📡	USER A	USER B	USER C	USER D	USER E	USER F	USER G	USER H	USER I	
E	OK	Ⓞ	Auto	Enter	Start	STOP	OPEN	CLOSE	Exit	Move	USER J	↺	✕	📏	📏	📏	📏	📏	📏	M-1	📏
F	SET	Reset	Light	Alarm	Menu	Next	Back	Delete	Motor	Save	🎧	📏	📏	📏	📏	✓1	✓2	☰	↑	📏	
G	Up	Down	Right	Left	Test	End	Insert	Lock	Print	+/-	🔑	🕒	∅	📏	📏						
H	ESC	BC	HOME	Health	D-LED 2	OC GENIE	VIDEO INPUT	clr CMOS	Green Power	Save OK											
I	B/R +	Undo Cancel	T/L	F1	F2	F3	F4	F5	F6	F7											
J	F8	F9	F10	F11	F12	F13	F14	IN 1	IN 2	IN 3											
K	IN 4	IN 5	IN 6	📏	📏	📏	📏	📏	📏	📏											
L	+	-	×	÷	=	↑	→	▲	▶	⏸											
M	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏											
N	↑	→	↗	↖	▶	◀	▶	◀	▶	◀											
O	■	⏸	↔	◊	◊	📏	📏	📏	📏	📏											
P	📏	📏	📏	✕	✓	📏	Config.	TIME LINE	ME1	ME2											
Q	ME3	ME4	BGND 3D DVE1	BGND 3D DVE2	BUS COLOR	ME BUTTON LINK	*	INSERT	WIPE	📏											
R	⏮	ALL	📏	VP	📏	COPY	📏	RECORD MODE	↕	📏											
S	📏	📏	MUTE	📏	📏	📏	📏	📏	📏	📏											
T	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏											
U	📏	📏	chair	📏	📏	📏	📏	📏	📏	📏											
V	📏	📏	OC	📏	📏	CLEAR	CROSS WIND	AMMO TEMP	BARO PRESS	AIR TEMP											
W	BORE-SIGHT	CANT	LEAD	RANGE	MRS	ZERO	TEST	UD	LR	📏											
X	ID	Disp	MF	GALL	📏	BAND	SETUP	MODE	LINK	FUNC.											
Y	SHIFT	📏	📏	📏	📏	DEL	📏	📏	📏	📏											
Z	📏	📏	📏	RUN	2D	3D	CH1	CH2	CH3	CH4											