



**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

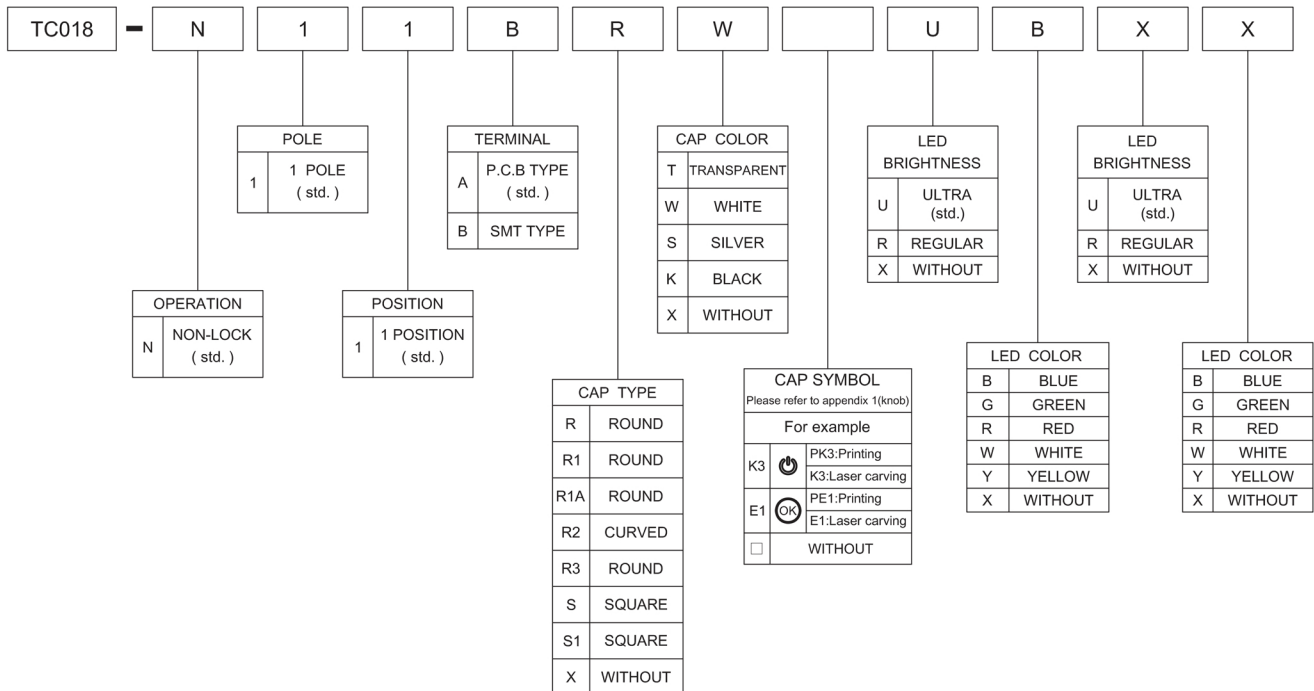
► **SPECIFICATIONS**

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					
ATTENTION	Unit	Blue	Green	Red	White	Yellow	
		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"> <li>■ ACTUATOR - PA</li> <li>■ TERMINAL - BRASS SILVER PLATING</li> </ul>	<ul style="list-style-type: none"> <li>■ FRAME - PA</li> <li>■ SPRING - STAINLESS STEEL</li> </ul>

	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	18	17	18	19
B	A	B	C	D	E	F	G	H	I	J	CH5	CH6	DISP	PIP	Q-KEY	CUT	TAKE	REC	ENG	PROD
C	K	L	M	N	O	P	Q	R	S	T	REPLAY	RET1	RET2	KEY ON	AUTO TAKE					
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 7	USER 8	USER 9
E	OK		Auto	Enter	Start	STOP	OPEN	CLOSE	Exit	Move	USER J									
F	SET	Reset	Light	Alarm	Menu	Next	Back	Delete	Motor	Save										
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	+	-	x	+	=	↑	→													
M																				
N	↑	→	↑	←	▲	▶	◀	▶	◀											
O	■	▢	◀	▶	◀	▶	◀	▶	◀											
P				x	✓	⊙	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																				
V																				
W	BORE-SIGHT	CANT	LEAD	RANGE	MRS	ZERO	TBST	UD	LR											
X		Disp	MF			BAND	SETUP	MODE	LINK	FUNC.										
Y	SHIFT					DEL														
Z				RUN	2D	3D	CH1	CH2	CH3	CH4										