1. **Style**:

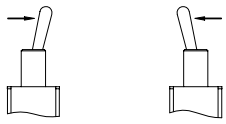
   This specification describes sub-mini toggle switch and rocker switch mainly used as small current and signal switch of electric device with the general required of mechanical and characteristics.

   Operating temperature range：-30℃ +85℃

2. **Rating**：1.5A, 250VAC

3. **type of Actuation**：Actuated by toggle.

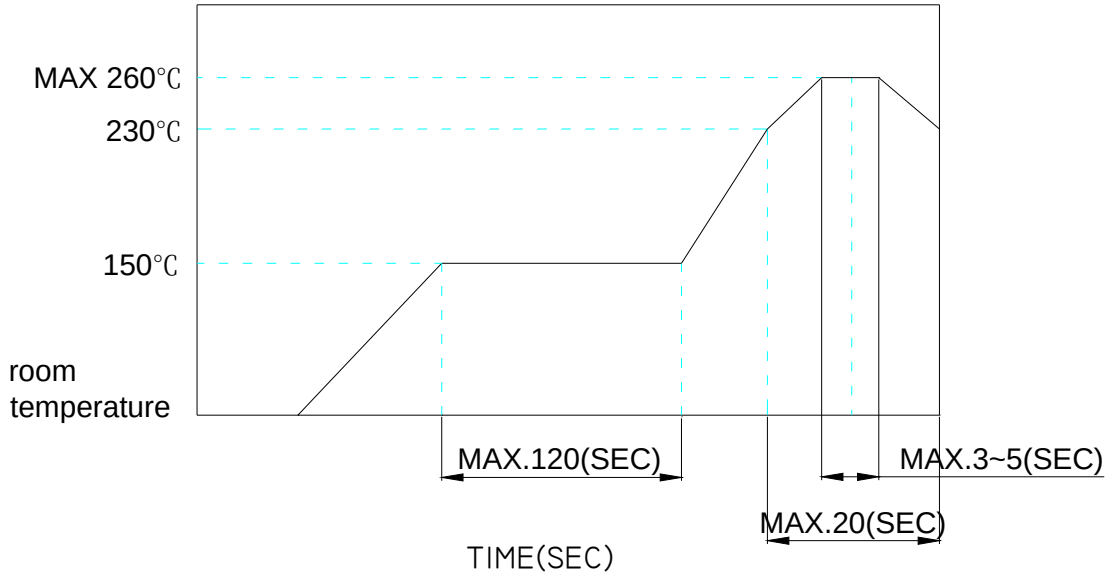
4. **Programer of test**：

peculiarity	ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENTS
ELECTRIC CHARACTERISTICS	1	Visual Examination	By visual examination check without any pressure and testing	There shall be no defect that affect the function of the product
	2	Contact Resistance	①To be measured between the two terminals associated with each switch pole. ②Measurements shall be made with a 1kHz shall current contact resistance meter.	20mΩ MAX(initial)
	3	Insulation Resistance	500VDC,1min±5sec	1000MΩ MIN
	4	Dielectric withstanding voltage	1500VAC (50Hz or 60 Hz) shall be applied between all the adjacent terminals and between the terminal and the frame for 1 minute.	There shall be no breakdown or flashover
MECHANICAL CHARATERISTICS	5	Operating Force	Applied in direction operation 	10N max

MECHANICAL CHARATERISTICS	6	Soldering Heat Resistance	□ through hole type （1） Soldering Temperature:260±5°C （2） Duration of Solder Immersion：5±1 sec （3） Frequency of Soldering Process,2 times Max (PCB is 1.6mm in thickness)	As show in item2~6
DURABILITY	7	Operation Life	Measurements shall be made following the test set forth below: ①1.5A,250VAC resistive load ②Rate of Operation：6~8 cycles/minute ③Cycle of Operation：30000cycles	As show in item 3.4
WEATHER-PROFF	8	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made ①Temperature：-30±3°C ②Time：48 hours	As show in item 2~6
	9	Resistance high Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made ①Temperature：85±3°C ②Time：48 hours	As show in item 2~6
	10	Resistance Humidity	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made ①Temperature：40±2°C ②Relative Humidity：90-95% ③Time：48 hours	As show in item 4~6

5. Soldering Condition

■ Condition for soldering



■ Manual soldering：

Soldering Temperature	MAX 350℃
Continuous Soldering Time	MAX.5 seconds

■ Precautions in Handling：

1. Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.
2. Don’t wash switch body.

6. Materials:

6.1 Case & Bushing: Nylon.

6.2 Actuator : Copper alloy, chrome plated, internal O-ring seal standard with all actuators
The anti-static actuator : Nylon 4/6, black standard (UL 94V-0)

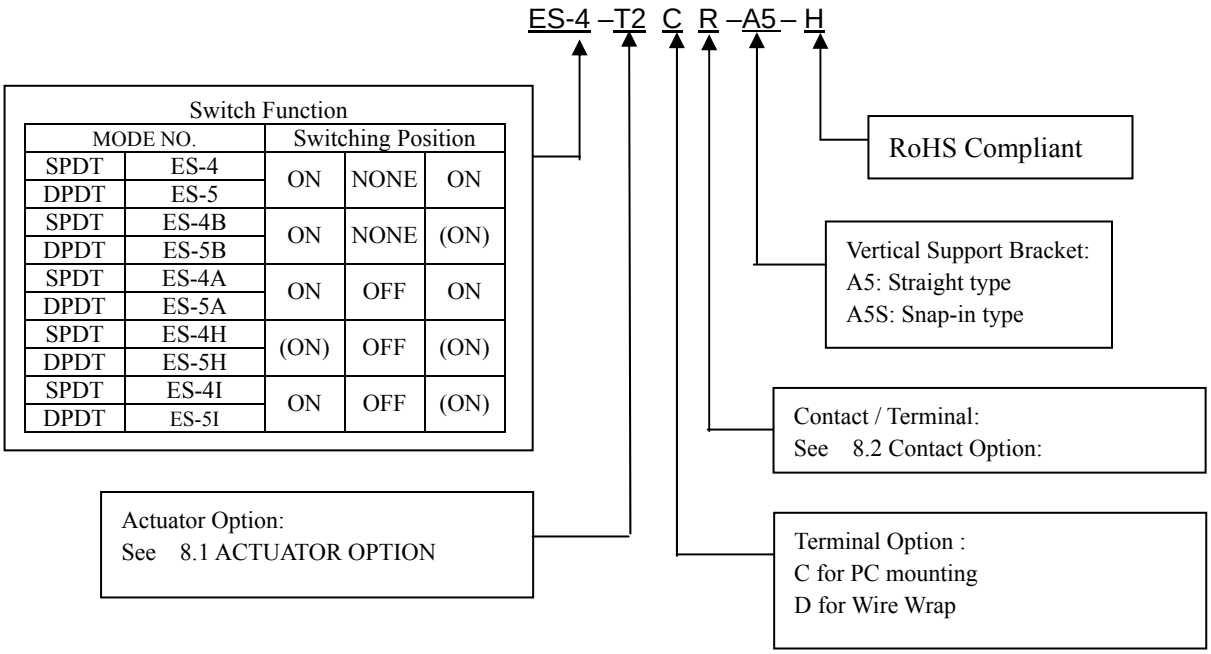
6.3 Contact and Terminal: Copper alloy, silver or gold plated

6.4 Switch Support: Copper alloy, tin plated

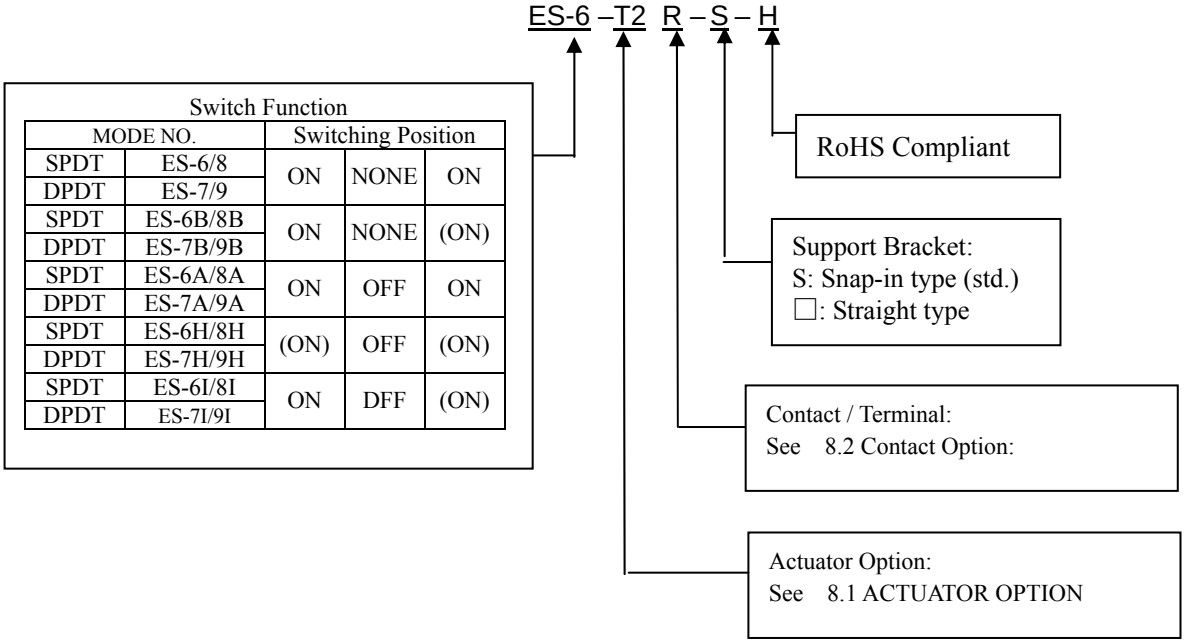
6.5 Terminal Seal: Epoxy

7. PART NUMBERING OPTION:

7.1



7.2



8. OPTION：

8.1 Actuator Option:

Actuator code	T1	T2	T3	T4	T5	P1	P11	P2	P21
Height	10.16	6.10	8.13	13.97	3.5	10.16(black)	10.16(white)	6.10(std-black)	6.10(white)

8.2 Contact Option:

OPTION CODE	CONTACT PLATING	TERMINAL PLATING	RATING
Q	SILVER	SILVER	3A,120VAC or 28 VDC 1.5A, 250VAC
R	GOLD	GOLD	0.4 VA MAX @20 V AC OR DC
G	GOLD OVER SILVER	GOLD	3A,120VAC or 28 VDC 1.5A, 250VAC 0.4 VA MAX @20 V AC OR DC
K	GOLD	TIN	0.4 VA MAX @20 V AC OR DC