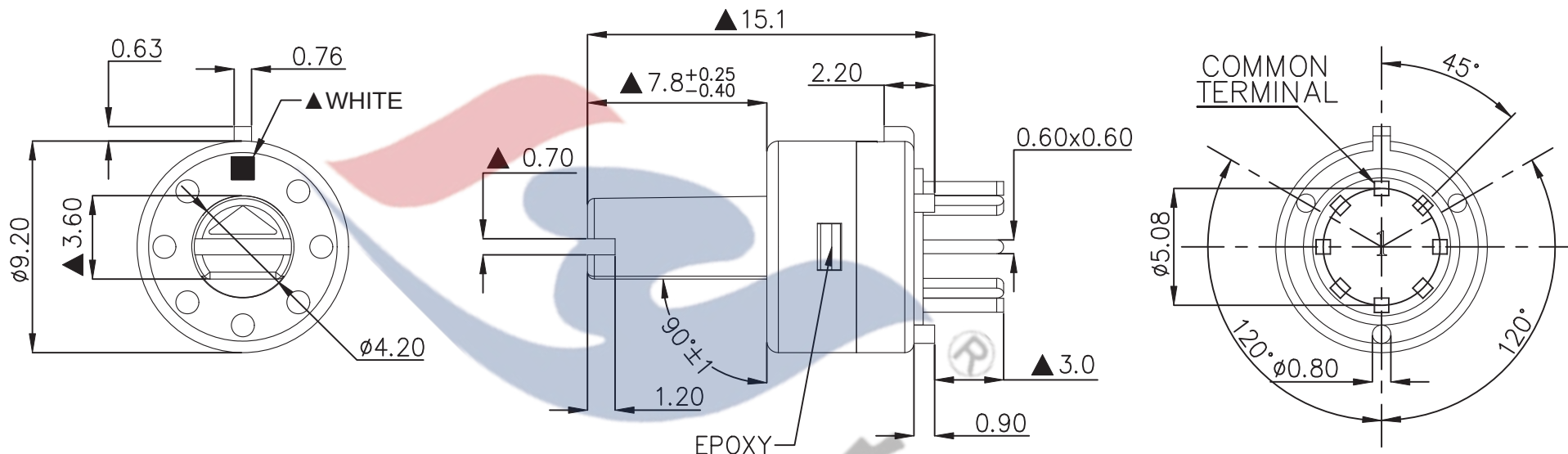




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SPECIFICATIONS

ELECTRICAL RATING: 0.5A 24VDC; 0.2A 48VDC

CONTACT RESISTANCE: 100 mΩ MAX.

INSULATION RESISTANCE: 100 MΩ MIN. 500VDC

DIELECTRIC STRENGTH: 500VAC for 1 minute

OPERATING FORCE: 350±150g

OPERATING LIFE: 10,000 cycles

OPERATING TEMPERATURE RANGE : -20°C ~ 70°C

MATERIAL

HOUSING: NYLON 6/6

BASE: NYLON 4/6

ACTUATOR: POM

TERMINAL: Brass gold plating.

RoHS & Lead Free

P.C.B. LAYOUT

TRAVEL	SWITCH POSITION
0°	C-C(OFF)
45°	C-1
90°	C-2
135°	C-3
180°	C-4
225°	C-5
270°	C-6
315°	C-7

符號	原尺寸	修改後尺寸	變更日期	SCALE (比例) : 4 : 1	TITLE 圖名	ROTARY SWITCH	SIZE 圖紙	A4
1	(A)				DWG NO. 圖號	RT2-N0C8-0P1A	UNIT 單位	mm
2	(B)				REV. 版本	A	DATE 日期	FEB - 21 - 2014
3	(C)				CHECKED BY 審核		DRAWN BY 製圖	IRENE
4	(D)							
5	(E)							

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1. Style :

This specification describes “Rotary Switches” , mainly used as signal switch of electric devices, with the general requirements of mechanical and electrical characteristic.

Operating Temperature Range : -20 °C ~ +70 °C.

2. Electrical Rating : 0.5A/24VDC; 0.2A/48VDC

3. Type of Actuation : Rotating Switches

4. Test Sequence :

ELECTRIC PERFORMANCE	ITME	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
	1	Visual Examination	By Visual Examination check without and out pressure & testing.	There shall be no defects that affect the serviceability of the product.
	2	Contact Resistance	To be measured between the two terminals associated with each switch pole.	100mΩ Max
	3	Insulation Resistance	Measurements shall be made following application of 500 VDC/ 100mA potential across terminals and cover for 1 minute.	100MΩ min/500VDC
	4	Dielectric Withstanding Voltage	500 VAC (50Hz or 60Hz) shall be applied across terminals and cover for 1 minute.	There shall be no breakdown or flashover.

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MECHANICAL PERFORMANCE	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
	5	Actuation Force	MODEL-1305N MECHANICAL TEST 500gram、1000gram、2000gram.	At for test the force. Force : 350±150 gf.
OPERATING LIFE	6	Operating Life	Measurements shall be made following the test forth below : ① 0.5A/24VDC ; 0.2A/48VDC Max. ② Rate of Operation : 6-8operation cycles per minute. ③ Electronics Life Test : 10,000 cycles.	①Contact Resistance: 1Ω Max ②As shown in item 3~4. ③Force : Min 200gf.
HUMIDITY RESISTANCE	7	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 hour before the measurements are made: ① Temperature : -20±3°C. ② Time : 96 hours.	As shown in item 2~4.
	8	Resistance High Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before the measurements are made: ① Temperature : 70±3°C. ② Time : 96 hours.	As shown in item 2~4.

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	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
HUMIDITY RESISTANCE	9	The Salt Testing	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before the measurements are made : ① Temperature : $35\pm 2^{\circ}\text{C}$. ② The ratio of salt-water : 5%. ③ The spray amount of salt- water : 1~2 ml/h. ④ Time : 48 hours.	The testing standard based on bubble, crack, and magnifying glass with gauge.
	10	HSF	Refer RoHS Standard : The electronic electrical machinery product limits with six big chemical materials.	Cd : 100ppm Pb : 1000ppm Hg : 1000ppm Cr6+ : 1000ppm PBB、PBDE : 1000ppm
SOLDER HEAT RESISTANCE	11	Wave Soldering	■ Wave Soldering : ① Soldering Temperature: $260\pm 5^{\circ}\text{C}$. ② Duration of Solder Immersion: 5 ± 1 seconds. Temperature Profile ③ PCB is 1.6mm in thickness. ■ Ambient temperature of the soldered Surface of PC board. 120°C max.	① Shall be free from pronounced backlash and falling-off or breakage terminals. ② As shown in item 2~4.
	12	Manual Soldering	■ Manual Soldering : ① Soldering Temperature : $350\pm 5^{\circ}\text{C}$. ② Duration of Solder Heated : 3 ± 1 seconds. ■ Precautions in Handling Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.	① Shall be free from pronounced backlash and falling-off or breakage terminals. ② As shown in item 2~4.