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MODEL	ROTARY SWITCH SPECIFICATION	SPEC NO:	
SR17A		DATE:	2016.04.14
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1. General specification

Ninigi

1.1 Operating temperature range -20 ~ +70 ℃(normal humidity normal press).

1.2 Storage temperature range -25 ~ +75 ℃ (normal humidity normal press).

1.3 Test conditions 1.3.1 Ambient temperature 5℃~30℃

1.3.2 Relative humidity 25% to 85%

1.3.3 Air pressure86 Kpa~106 Kpa

1.4 Appearance. Structure and Dimension

1.4.1 Appearance There should be no defects that affect the serviceability of product

1.4.2 Structure and Dimension Style and dimension:Shall conform to the assembie drawings

1.5 Switch Rating: DC 16 V 0.3 A

2. Mechanical characteristics

Item		Test Condition	Requirements
2.1	Rotation Angle	Axis fixed in the regulations on the point of view, the starting position of a band aimed at zero-scale rotation	30° ± 3°
2.2	Operation torque	Fixed product, fastening with a torque meter on the shaft counter-clockwise in the end. The pointer to zero, in clockwise rotation in the end	300 ± 100 gf.cm
2.3	Stop strength	Fixed product with a torque meter shaft rotation force applied 7 kgf for 15 s	Without excessive play or poor contact
2.4	Staking of terminals	Terminal end in all directions without the force applied 400 g	1 minute terminal no loss, no base damage
2.5	Bushing nut tighting strength	Fixed product, set in the nuts with a torque meter on the power of rotation applied 7kgf.cm	No-slip sleeve silk thread, deformation
2.6	Switch type		1 pole 8 position

3. Electrical characteristics

3.1	Contact Resistance	Rating:DC 5V Current: 1 A	50mΩ or less
3.2	Insulation resistance	Measurements shall be made following application of DC 500 V potential across terminals and across terminals and frame for one minute.	100MΩ or more
3.3	Dielectric strength	AC 500 V (50~60Hz) shall be applied across terminals and across terminals and frame for one minute.	There shall be no breakdown.

4. Environmental resistance.

4.1	Resistance to low temperatures	stored on -25 ± 2 ℃ after 96 hours in the refrigerator, in the standard atmosphere for 1 hour, then measured in 1 hour	There shall be no deformation or cracks in molded part.
4.2	Dry heat	On 75 ± 2 ℃ storage temperature tank after 96 hours, in the standard atmosphere for 1 hour, then measured in 1 hour	There shall be no deformation or cracks in molded part.
4.3	Constant hot and humid	Placed in the temperature of the primary is 40 ± 2 ℃, relative humidity of 90-95% of the environment, 96 hours and then placed in a standard atmosphere for 1 hour, 1 hour for the next measurement	There shall be no deformation or cracks in molded part.
4.4	Solderability test	The top of the terminals shallbe dipped 2mm in the solder bath of 300±5℃ for 3±0.5 seconds.	The area of soldering should be over 75%.

5. Endurance.

5.1	Life test Without load	Increase the load life test , rotation speed of 30 beats / min (back and forth 1 back 1 count) , 10,000 turns the total rotation	The following_ 200mΩ contact resistance

6. Soldering conditions.

6.1	Hand soldering	Please practice according to below conditions: (1) Soldering temperature : 300℃Max (2) Continuous soldering time: 3 s Max (3) Capacity of soldering iron : 20 w Max	There shall be no deformation or cracks in molded part.

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