

1. General specification

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

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

1.3 Test conditions

1.3.1 Ambient temperature 5°C~30°C

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 assemble 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
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
2.3	Stop strength	Fixed product with a torque meter shaft rotation force applied 7 kgf for 15 s
2.4	Staking of terminals	Terminal end in all directions without the force applied 400 g
2.5	Bushing nut tightening strength	Fixed product, set in the nuts with a torque meter on the power of rotation applied 7kgf.cm
2.6	Switch type	1 pole 4 position

3. Electrical characteristics		
3.1	Contact Resistance	Rating:DC 5V Current: 1 A
3.2	Insulation resistance	Measurements shall be made following application of <u>DC 500</u> V potential across terminals and across terminals and frame for one minute.
3.3	Dielectric strength	AC 500 V (50~60Hz) shall be applied across terminals and across terminals and frame for one minute.

4. Environmental resistance.		
4.1	Resistance to low temperatures	stored on -25 ± 2 °C after 96 hours in the refrigerator, in the standard atmosphere for 1 hour, then measured in 1 hour
4.2	Dry heat	On 75 ± 2 °C storage temperature tank after 96 hours, in the standard atmosphere for 1 hour, then measured in 1 hour
4.3	Constant hot and humid	Placed in the temperature of the primary is 40 ± 2 °C, 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
4.4	Solderability test	The top of the terminals shallbe dipped 2mm in the solder bath of 300±5°C for 3±0.5 seconds.

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

6. Soldering conditions.		
6.1	Hand soldering	Please practice according to below conditions: (1) Soldering temperature : 300°C Max (2) Continuous soldering time: 3 s Max (3) Capacity of soldering iron : 20 w Max

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