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Choose certainty. Add value.

SUBJECT

IP68 Test

TESTED BY

TÜV SÜD Certification and Testing (China) Co., Ltd.

Shanghai Branch Testing Center

Environmental and Reliability Laboratory

No.1951, Building 16, Duhui Road, Minhang District

Shanghai 201108, P. R. China

TESTED FOR

NUTORK CORP.

NO.158, LANE 1888, DAYE ROAD, FENGXIAN AREA, SHANGHAI, CHINA

TEST PERIOD

07-Apr-2015 and 19-Aug-2015

Prepared By

25-Aug-2015

Lv Songmao

Test Engineer

Authorized By

25-Aug-2015 Lai Chaozhong

Manager



Choose certainty.
Add value.

1 Description of Sample

Sample Name: Limit Switchbox.

Sample Model: NTS-KPXX.

Sample Quantity: 2 pieces.

Sample Weight: 1.3KG.

Sample No: 1#; 2#.

Sample Picture:





2 IPX8 Test (Water Test)

Choose certainty.
Add value.

Equipment of Test:

Equipment	Manufacturer	Serial No.	Cal. Due Date
IP7/8 tester	Xinghe (Guangzhou)	S0712369-YQ	17-May-2015

Lab Environmental Conditions:

Ambient Temperature: 23.1° C. Relative Humidity: 52.8° RH.

Test Methods/Specification:

Test methods: According to IEC 60529: 2013.

Test conditions:

- The distance of below the surface of water: 1.0 m.

- Test pressure: 0.29MPa (Equal to 30m depth of water).

- Immersion duration: 24 hours.

Test Setup:



Test Result:

Sample I	No	Test Result
1#		- No water was found inside the enclosure after test.



Appendix 1: Sample pictures after test.

Choose certainty. Add value.





Detail 1 Detail 2





Detail 3 Detail 4



3 IP6X Test (Dust Test)

Choose certainty.

Add value.

Equipment of Test:

Equipment	Manufacturer	Serial No.	Cal. Due Date
Dust tester	ENVAN	TC_SH_ENV_EQ_028	12-May-2015

Lab Environmental Conditions:

Ambient Temperature: 23.1° C. Relative Humidity: 52.8%RH.

Test Methods/Specification:

Test methods: According to IEC 60529: 2013.

Test conditions:

Sample was tested in a dust chamber in which talcum powder is maintained in suspension by an air current. The chamber contains 2 kg of powder for every cubic metre of its volume. The talcum powder used was able to pass through a square meshed sieve whose nominal wire diameter is $50~\mu m$ and whose nominal free distance between wires is $75~\mu m$. It shall not have been used for more than 20 tests.

The enclosure of sample is supported inside the test chamber and the pressure inside the enclosure is maintained below the surrounding atmospheric by a vacuum pump.

Test duration is 8 hours.

Pressure inside the enclosure of sample: < 2kPa

Test Setup:





Test Result:

Choose certainty.
Add value.

Sample No	Test Result	,
2#	- No dust was found inside the enclosure after test.	

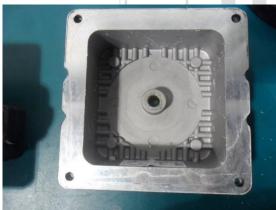
Appendix 2: Sample pictures after test.



Detail 1



Detail 2



Detail 3



Detail 4



