REL

Report No.	WX140421-009
Total Pages	6

TEST REPORT

Sample: TJ Series plastic box/TB Series plastic box/Terminal box

Type: TJ-KG-3040/TJ-MG-4060/TJ-AG-2819/TJ-AG-1212 /TB-AG-1924/6P

Client: ZHEJIANG TIANQI ELECTRIC CO.,LTD

Manufacturer: ZHEJIANG TIANQI ELECTRIC CO.,LTD

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TRF No. RELT019

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Test Report

Client:	Client: ZHEJIANG TIANQI ELECTRIC CO.,LTD Address: Modern industrial park, Tianzi lake,Gao Yu town ,Anji county, Zhejiang
Manufacturer:	ZHEJIANG TIANQI ELECTRIC CO.,LTD
Date Submitted:	2014-04-21
Sample Name:	TJ Series plastic box/TB Series plastic box/Terminal box
Sample Quantity:	6PCS
Test Item:	IP66
Test periods:	2014-04-21～2014-04-28
Test Method:	According to GB/T 4208 and the client's requirements
Test Ambient:	Temperature 20～25℃，Humidity 45～70%RH，Air pressure:101kPa
Test Instruments:	Sand dust test chamber Model:SC-500 S/N: WXR020 Immersion test chamber Model: RH-550 S/N: WXR026
Test Result:	Meet the requirements of standard sample, test results: **Qualified!** Refer to Page 4～6
Remark:	/

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Prepared:	**Supervised:**	**Approved:**
Qin Shiwei	Zhang Dawei	Zhou Zhongshan
DATE: 2014-04-28	DATE: 2014-04-28	DATE: 2014-04-28

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1 Sample description

6pcs samples were submitted by the client for IP66 test.

The representative appearance photos of the samples before test were shown in Fig.1.

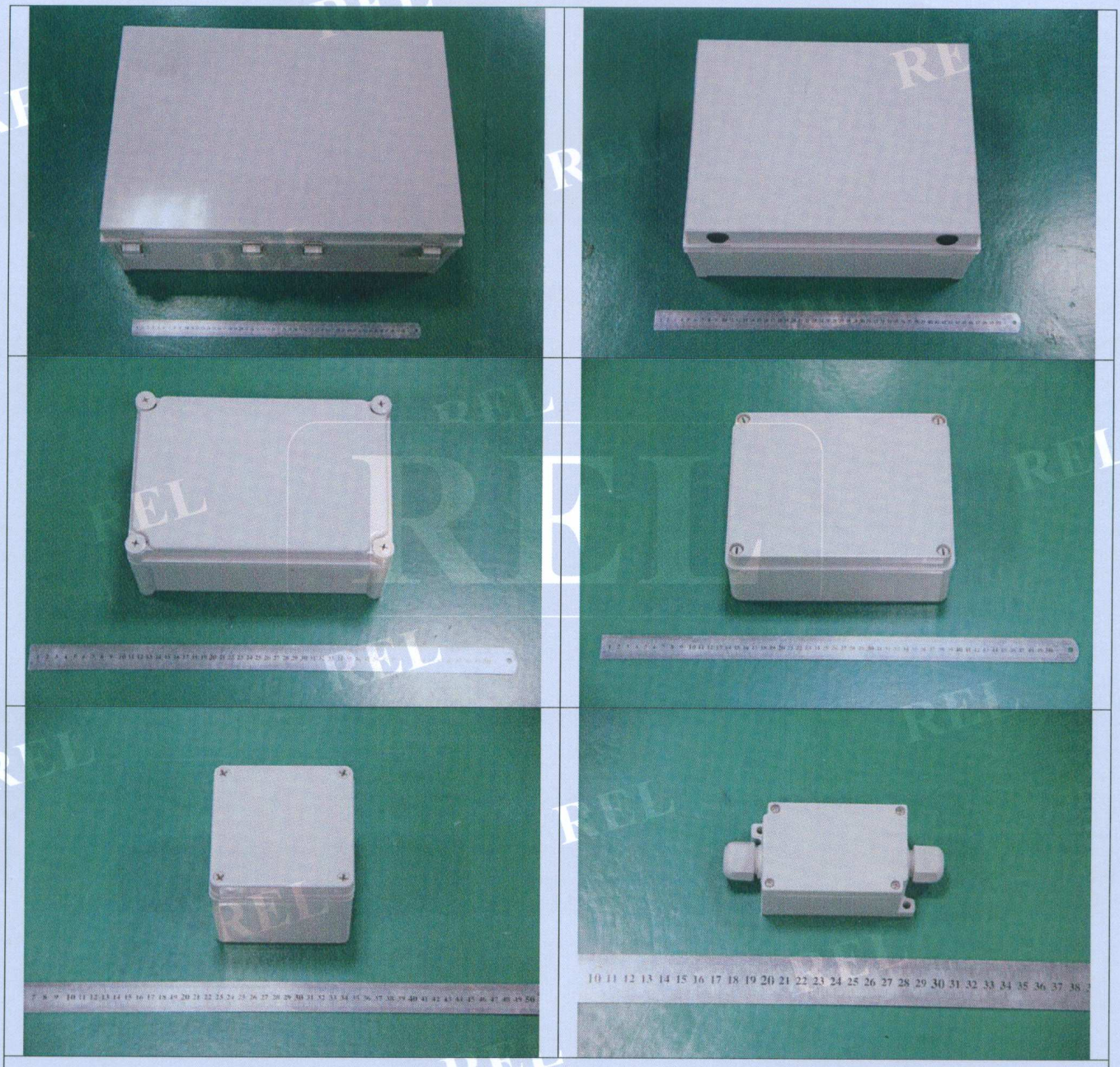


Fig.1. The representative appearance photos of the samples

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2 Testing process

According to GB/T 4208 and the client's requirements, the test was performed.

The photos of test process were shown in Fig.2.



Fig.2. The photos of test process

3 Test Result

After the test, the samples had no damage and was qualified with the normal function test. The photos after the test were shown in Fig.3.

First characteristic numeral:6	Test results	Test verdict
Protected against access to hazardous parts with a wire The test wire of 1.0mm shall not penetrate and adequate clearance shall be kept.	1.1N Sample not into the shell	Passed
Dust proof test The test is made using a dust chamber incorporating whereby,the powder circulation pump may be replaced by other means suitable to maintain the talcum powder used shall be able to pass through a square-meshed sieve the nominal wire diameter of which is 50μm and the nominal width of a gap between wires 75μm.The amount of talcum powder to be used is 2 kg per cubic metre of the test chamber volume. It shall not have been used for more than 20 tests. During the test, the housing is again placed in the normal working position in the test chamber, a vacuum pump, the pressure must not exceed 2kp (20 mbar) for 2h. After the test, the sample can not have dust entering.	No ingress of dust	Passed
Second characteristic numeral:6	---	----

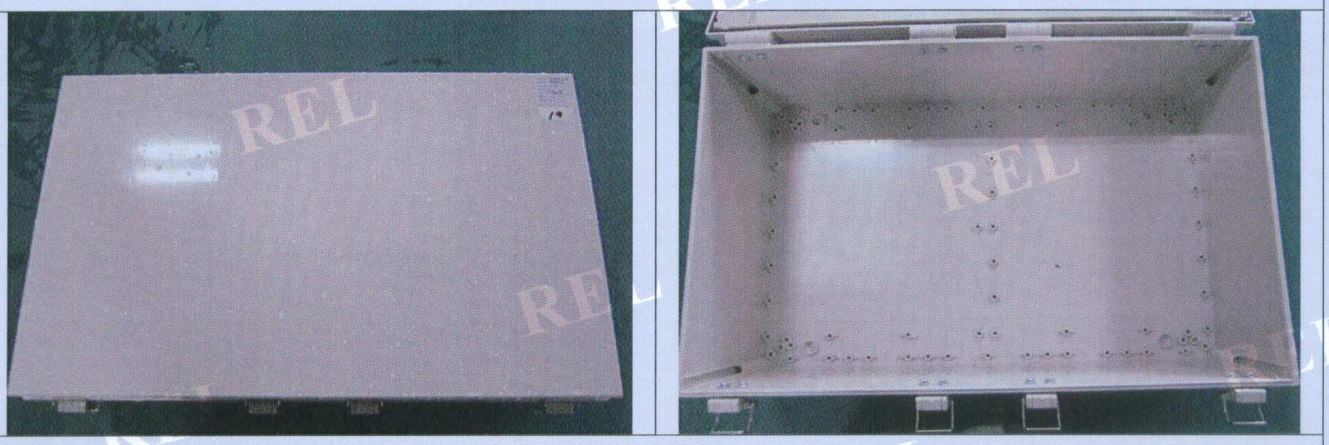
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The test is made by: Internal diameter of the nozzle:12.5 mm, Delivery rate:（100±5）L/min Nozzle pressure:30kPa Test time：test duration per square meter of enclosure surface area likely to be sprayed:1min,minimum test duration:3 min Distance from nozzle to enclosure surface: between 2.5m and 3m After test, The electrical surface dry first, and then check whether water inside the shell. In general, if any water has entered, it shall not be sufficient to interfere with the correct operation of the equipment or impair safety, deposit on insulation parts where it could lead to tracking along the creep age distances, reach live parts or windings not designed to operate when wet, accumulate near the cable end or enter the cable if any.	No water enter in the shell	Passed



IP6X



IPX6

Fig.3. The representative appearance photos of the samples after test

---The End---

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5. The report is invalid if being altered.
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7. Any objections to the report could be raised to Wuxi RELLAB Testing Services Co., Ltd.

RelLAB RELLAB TESTING

Add: A1 Building East Road,No.999,highwaves,Wuxi Taihu Lake Park Member of kelon International

Postalcode: 214121

Tel: 0510-85622208,85622205

Fax: 0510-85602317

Complaints Tel: 0510-85625933

E-mail: rellab@rellab.cn

Website: http://www.rellab.cn

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