

## TEST REPORT

Material & Engineering Lab.-Kaohsiung

Report No.: KR-10-00401X

Page: 1 OF 4

Date: October 11, 2010

CLIENT: FUNCTION ELECTRIC INC.

ADDRESS: NO.6, ALLEY 18, LANE 634, CHUNG SHAN N. RD., YUNG KANG CITY,  
TAINAN HSIEN, TAIWAN

The following merchandise was submitted and identified by the vendor as:

Product Description: Toggle Switch  
Style/ Item No.: FE-A1770, FE-A1771, FE-A1772, FE-A1773, FE-A1774, FE-A1775, FE-A1776,  
FE-A1777  
Manufacturer/ Vendor: Function Electric Inc.  
Quantity: Total 8 pieces  
Received Date: September 28, 2010  
Date of Testing: September 30, 2010

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: (According to client's test specification, please see following sheets in detail.)  
1. IPX7 Waterproof Test

Test Results: – PLEASE SEE ATTACHED SHEETS –

The required specification(s) offered in this test report is/are for reference only.  
The conformity judgment is at the Applicant's final verdict.

**Signed for and on behalf of  
SGS TAIWAN Ltd.**

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## 1. IPX7 Waterproof Test:

### Test Equipment:

Name	Brand	Model	Serial No.
IPX7/IPX8 Immersion Tank	self-made	SGS-ETR-0201	000001

### Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

### Test Method/ Specification:

Sample condition: Unpackaged

Test condition: The lowest point of enclosures is located 1000 mm below the surface of the water

Test duration: 30 minutes

- Examine the appearance of specimen(s) by visual check before and after this test.
- No evidence of visible mechanical damage (such as deformation, crack, breakage ...etc.) or loose component(s) shall be found.
- Perform the inner structure of the specimen's check after test.

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Specimen:

Style/ Item No.: FE-A1770, FE-A1771, FE-A1772, FE-A1773, FE-A1774, FE-A1775, FE-A1776, FE-A1777

Quantity: Total 10 pieces

Test Result:

Check Item Style/ Item No.	Inner Structure check (visual check)
	After test
FE-A1770	No visible defects
FE-A1771	No visible defects
FE-A1772	No visible defects
FE-A1773	No visible defects
FE-A1774	No visible defects
FE-A1775	No visible defects
FE-A1776	No visible defects
FE-A1777	No visible defects

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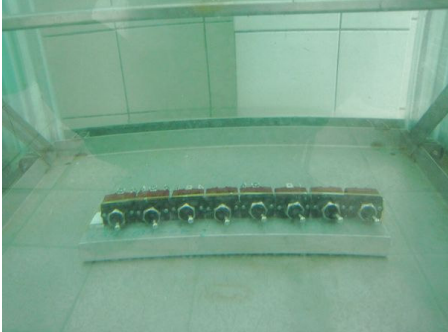

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## Test photos:

	
1. Appearance of specimens before test	2. Appearance of specimens before test
	
3. IPX7 waterproof test condition	4. IPX7 waterproof test condition

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