

Test Report



Report No. A2190008170101

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Applicant GradConn Ltd

Address 139 Wuhan Road , Longtan District , Taoyuan City , Taiwan 32549

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name Nautilus
Type RFPC-SMA15-FN, RFPC-SMA16-FN
Sample Receiving State Normal
Sample Received Date Jan. 10, 2019
Testing Period Jan. 10, 2019-Jan. 17, 2019

Test Requested

No.	Test Item
1	IPX8
2	IP6X

Test Result(s): Please see the following pages.

Approved by Roger Xiao

Date Jan. 17, 2019

Roger xiao
Approved Signatory

No. RDD82B51A2

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China



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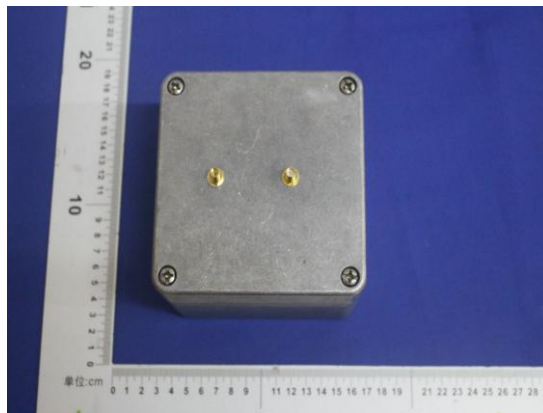
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Tested Sample(s)

Sample No.	Sample Name	Type	Quantity
A2190008170101001	Nautilus	RFPC-SMA15-FN, RFPC-SMA16-FN	1pc

Sample Photo(s)



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Test Item1: IPX8

1. Test Equipment

Equipment Name	Model
Immersion tester	/

2. Environmental Conditions

Temperature:24℃; Humidity: 47%RH

3. Test Condition

The lowest point of the sample is located 1000 mm below the surface of the water.

The highest point of the sample is located 150 mm below the surface of the water.

Test duration: 48 hours

The test condition refer to the IPX8 defined in IEC 60529:2013

4. Test Result(s)

Sample No.	Criterion	Test result (Visual inspection)	Conclusion
A2190008170101001	No water through the connector entered into the sample	No water through the connector entered into the sample	Pass
Remark: the criterion is supplied by client			

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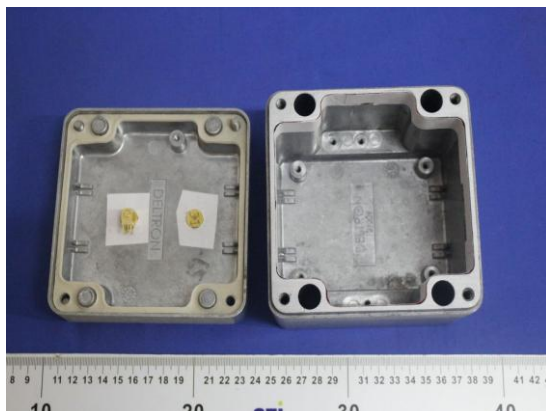
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Test Photo(s)



Sample Photo(s) after the test



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Test Item2: IP6X

1. Test Equipment

Equipment Name	Model
Test probe	Φ1.0mm
Dust Tester	KXT1410

2. Environmental Conditions

Temperature: 25 °C; Humidity: 47%RH

3. Test Condition

The Test prober of 1 mm diameter is pushed against any opening of the sample with force of 1 N

Set the sample in the dust chamber, the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump (Pump speed: 864 mL/min, 40~60 times of the shell volume per hour; the differential pressure between the containment and the atmosphere: 1.1 kPa)

The talcum powder to be used is 2 kg/ m³ of the test chamber volume;

Test duration: 2 h

The test condition refer to the IP6X defined in IEC 60529:2013

4. Test Result(s)

Sample No.	Criterion	Test result (Visual inspection)	Conclusion
A2190008170101001	The test probe can not enter into the sample, no dust through the connector entered into the sample	The test probe can not enter into the sample, no dust through the connector entered into the sample	Pass
Remark: the criterion is supplied by client			

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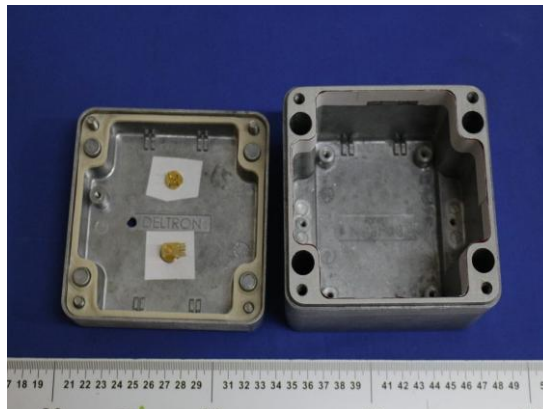
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Test Photo(s)



Sample Photo(s) after the test



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Remark: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

*** End of Report ***

Statement:

- 1.This report is considered invalidated without approval signature, special seal and the seal on the perforation;
- 2.The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
- 3.The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4.Without written approval of CTI, this report can't be reproduced except in full;
- 5.In case of any discrepancy between the English version and Chinese version of the testing reports(if generated), the Chinese version shall prevail.