



Reliability Laboratory

TEST REPORT



Report No.: HC30208/2017
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Date: April 10, 2017

PRO UNI-D CO., LTD
NO. 7, REI YUAN STREET, BA DE DIST.,
TAOYUAN CITY, TAIWAN

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

Product Description: ELECTRIC ACTUATOR
Style/ Item No.: UM-1/ No.1
Manufacturer/ Vendor: mit-UNID-cns
Country of Origin: Taiwan
Quantity: Total 1 piece
Testing Period: Mar. 24, 2017
Note: (Client's declaration) The UM-1, UM2-5 and UM2-7 used the identical enclosure.

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

Test Required:

Test for Degrees of Protection Provided by Enclosures (IEC 60529 Edition 2.2: 2013)

IP Code	IPX8
First characteristic numeral	Omitted
Second characteristic numeral	Degrees of protection against ingress of water

Test Results:

Conclusion
Submittals sample(s) comply with the requirement and acceptance conditions of IEC 60529 Edition 2.2: 2013 Degrees of Protection Provided by Enclosures -- IPX8 The detailed description of test result, please see attached sheet(s).

Signed for and on behalf of
SGS TAIWAN Ltd.

Ivan Wang

Ivan Wang
Team Leader

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Test for Degrees of Protection Provided by Enclosures:

Test Equipment:

Name	Brand	Model	Serial No.
IPX7/IPX8 Immersion Tank	Self-made	SGS-ETR-030201	ETR000001

Lab Environmental Conditions:

Ambient temperature: $(25 \pm 3) \text{ }^{\circ}\text{C}$

Ambient humidity: $(55 \pm 20) \% \text{ RH}$

Test Method/ Specification:

Test method: IEC 60529 Edition 2.2: 2013 --IPX8

Test condition: The lowest point of enclosures is located 1500 mm below the surface of the water

Sample condition: Non-Operating

Test duration: 1 hour

Test Device: As shown in photo 3, 4

- Examine the protection against ingress water of specimen after this test.

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Specimen:

Style/ Item No.: UM-1/ No.1

Quantity: Total 1 piece

Test Result:

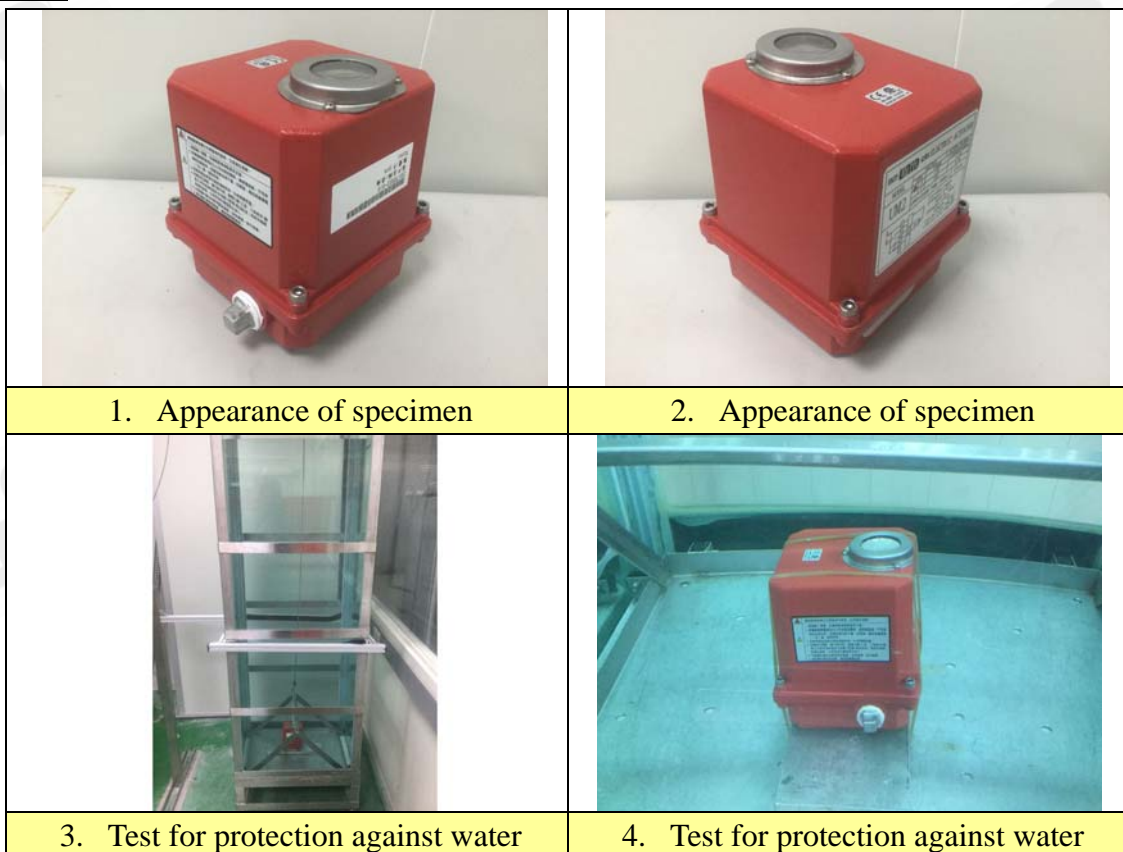
Degree of protection against ingress of water (IPX8)

Test Result		Style/ Item No.
Check Item		UM-1/ No.1
1	Does any water enter the enclosure?	No
2	(followed check item 1) If any water has entered, does the water accumulate near the cable end or live parts?	N/A
2.1	(followed check item 2) Does the water be sufficient to interfere with the correct operation of the equipment or impair safety?	N/A
2.2	(followed check item 2.1) Does the water deposit on insulation parts where it could lead to tracking along the creepage distances?	N/A
2.3	(followed check item 2.2) Does the water reach live parts or windings not designed to operate when wet?	N/A

Note 1: N/A means "Not Applicable".
 Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.2: 2013 and in accordance with the acceptance conditions specified by client.

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Test Photos:



— — — The End of Test Report — — —

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