

# TEST REPORT

Report No.: HND0004/2019  
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 Date: February 5, 2020

NORCOMP

3810 SHUTTERFLY RD., SUITE #200,  
 CHARLOTTE, N.C. 28217, U.S.A.

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

Product Description: waterproof conn.  
Style/ Item No.: 853-004-213R004/ No.1  
Country of Origin: Taiwan  
Quantity: Total 1 piece  
Testing Period: Jan. 21, 2020

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.
Immersion Pressure Tank	self-made	SGS-ETR-1512	000001

### Lab Environmental Conditions:

Ambient temperature: (15 ~ 35)°C

Ambient humidity: (25 ~ 75) % RH

### Test Location:

No.33, Wu Chyuan Road, New Taipei Industrial Park, WuKu District, New Taipei City, Taiwan

### Test Method/ Specification:

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

Sample condition: Mated with fixture

Test means: Completely immerse the specimen in water in its service position as specified by client.

Test condition: The lowest point of enclosures with a height is located 3 m below the surface of the water (approximately 0.31 kg/cm<sup>2</sup>)

Test duration: 2 hours

Test Device: As shown in photo 3, 4

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

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**Specimen:**

Style/ Item No.: 853-004-213R004/ No.1

Quantity: Total 1 piece

**Test Result:**

Degree of protection against ingress of water (IPX8)

Test Result		
Check Item		Style/ Item No.
		853-004-213R004/ 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
<p>Note 1: N/A means "Not Applicable".</p> <p>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.</p>		

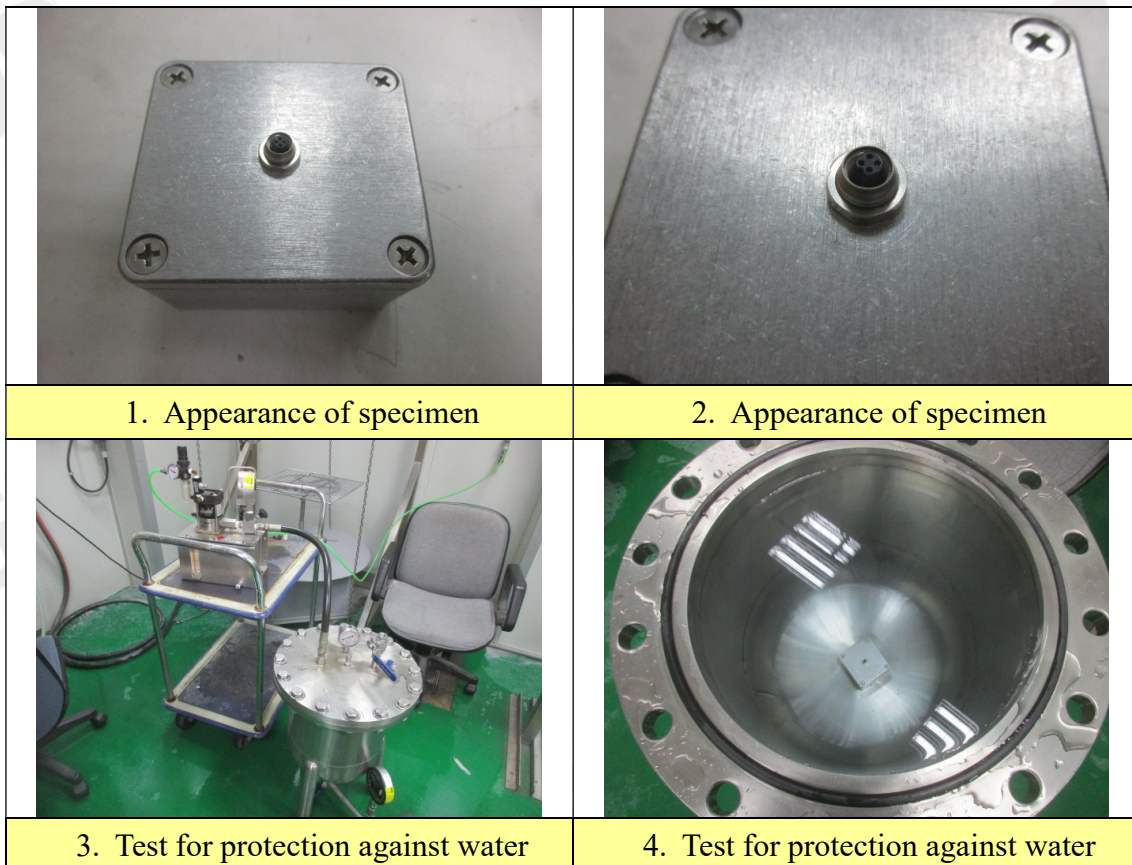
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### Test Photos:



— — — The End of Test Report — — —

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