




시험 성적서 TEST REPORT

페이지(page) : (1) / (총 6)

성적서 번호 Report No.		ICRT-TR-R170350	
신청자 Client	기관명 Name	KG AUTO Co., Ltd	
	주소 Address	Nae-dong 71-4, Ojeong-gu, Bucheon-si, Gyeonggi-do	
시험대상품목 Sample description		KG WATER PROOF SWITCH	
모델명 Type designation		WPX-30VY1	
정격 Ratings		-	
시험기간 Date of test		2017. 08. 08 (IP68)	
시험방법/항목 Test Method/Item		IEC 60529 : 2013	
시험결과 Test Results		Reference Table 4) in the text	
확인 Affirmation	작성자 Tested by	기술책임자 Technical Manager	
	성명 : 강 현 진 Name : H. J. Kang	(서명) (Signature)	성명 : 이 우 범 Name : W. B. Lee




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This is certified that the above mentioned products have been tested for the sample provided by customer and forbid the use except for original purpose.

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2017. 08. 16.

주식회사 아이씨알 대표이사

The head of INTERNATIONAL CERTIFICATION REGISTRAR





1. Specimen Information

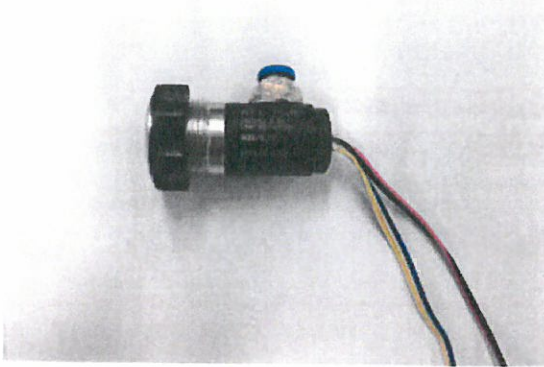


Figure 1) : KG WATER PROOF SWITCH (IPX8)



Figure 2) : KG WATER PROOF SWITCH (IP6X)

2. Test Item & Condition

2.1 IP68 Test

2.1.1 Test Specification : IEC 60529 (2013)

2.1.2 Test Item

Dust Test	Immersion Test
IP6X	IPX8

Table 1) IP68 Test Condition



2.2 Test Methods

2.2.2 IPX8 Test

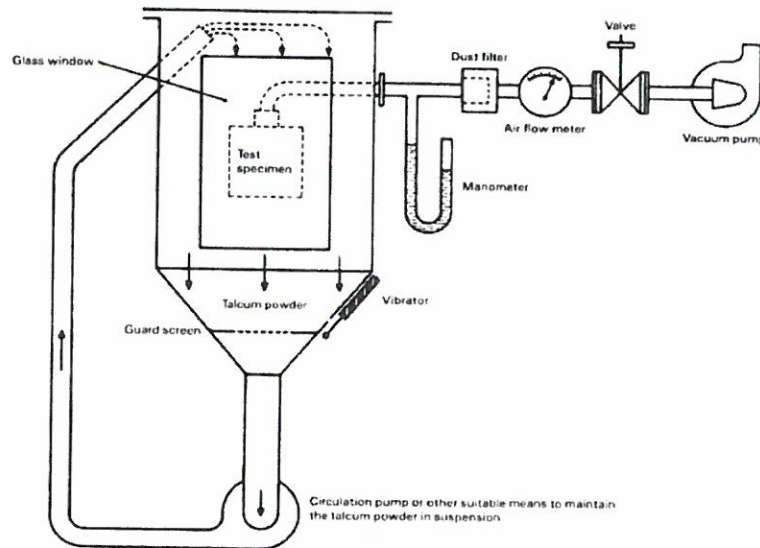
- a) Fix the specimen on the test shelf of immersion tester.
- b) Set the test shelf depth of immersion tester to 2 m.
- c) The test is carried out under the test conditions given in Table 2.
- d) After completion of the test, the surface of the specimen is completely removed.
- e) Check the inside of specimen and water penetration.

Depth of immerstion	Test Period
1 m	2 Hour

Table 2) IPX8 Test Condition

2.2.1 IP6X Test

- a) Put the specimen into the dust chamber.
- b) Connect the inside of the specimen to the vacuum pump of the dust chamber.
- c) The test is carried out under the test conditions given in Table 3.
- d) After completion of the test, the dust on the specimen surface is completely removed.
- e) Check the inside of specimen and dust penetration.



Kind of dust	Density of dust	Specimen Decompression	Test Time
Talc Powder	2 kg/m ³	2 kPa or less	8 Hour

Table 3) IP6X Test Condition



3. Photo of test

3.1 IPX8 Test

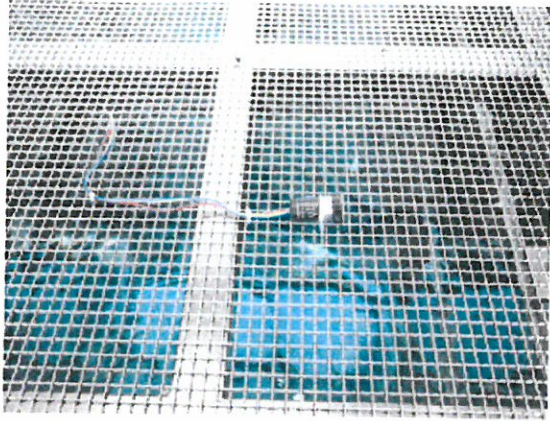


Figure 3) Specimen mounting photo



Figure 4) Depth of immersion

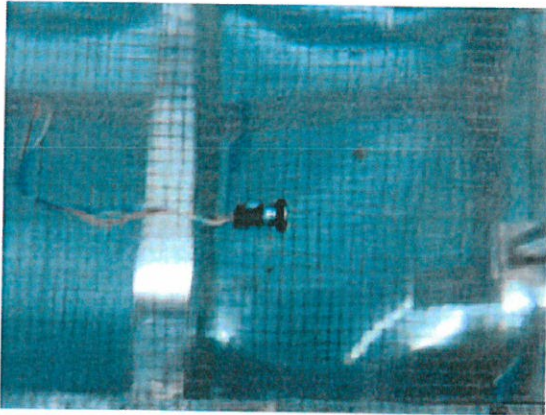


Figure 5) Test progress photo

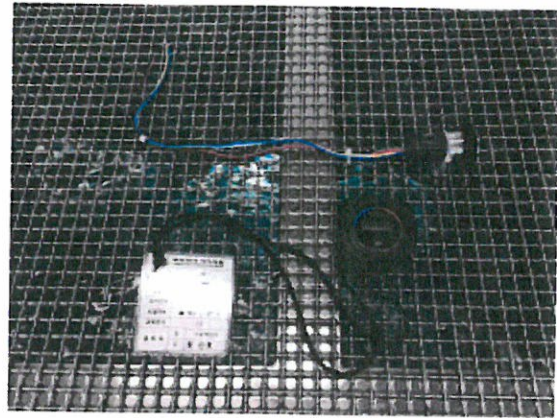


Figure 6) Specimen mounting photo (After)



Figure 7) Timer photo (2 Hour)



3.2 IP6X Test

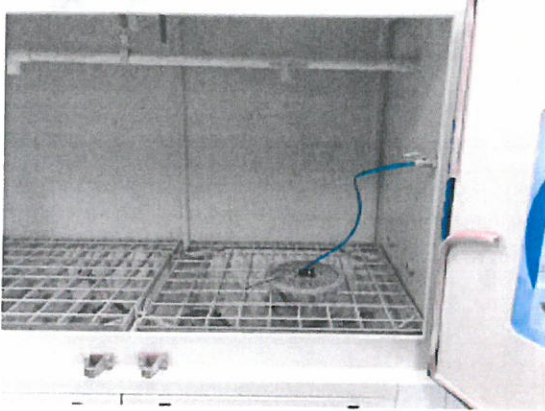


Figure 8) Specimen mounting photo

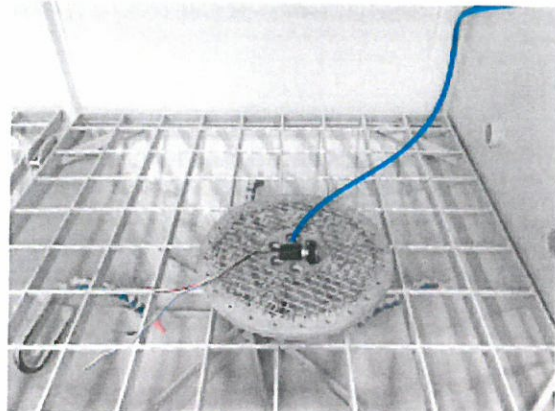


Figure 9) Specimen mounting photo (Enlargement)

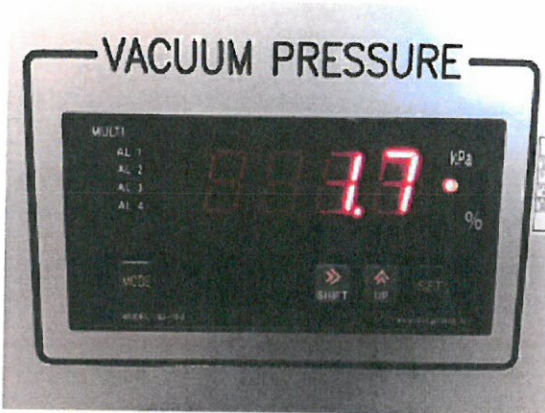


Figure 10) Pressure reducing gauge photo



Figure 11) Dust tester panel photo



4. Test Result

4.1 IPX8 Test

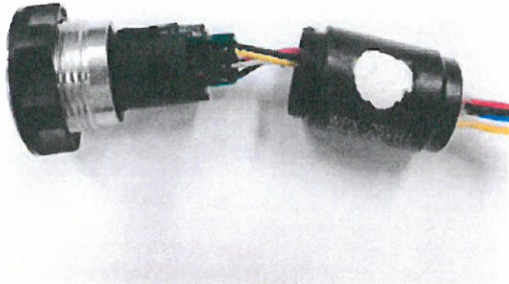


Figure 12) Inside the specimen #1

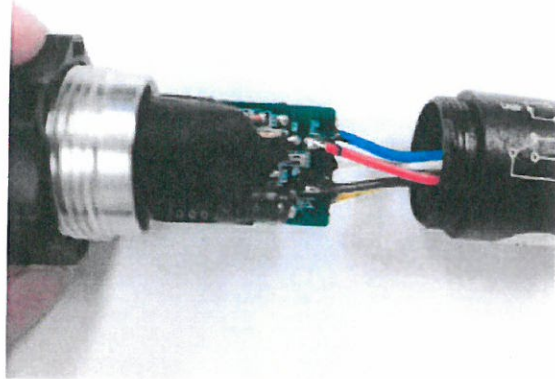


Figure 13) Inside the specimen #2

4.2 IP6X Test

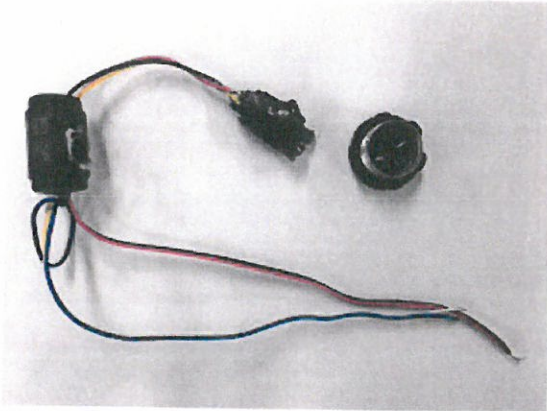


Figure 14) Inside the specimen #1

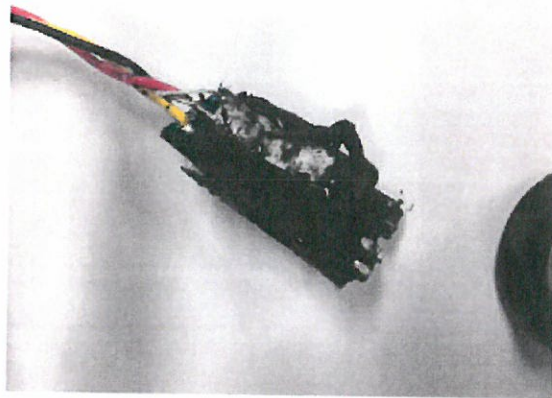


Figure 15) Inside the specimen #2

Test Item	Specimen	Test Result	Judgement
IPX8	KG WATER PROOF SWITCH	No dust penetration inside the tester	Visual
IP6X		No water penetration inside the tester	Inspection

Table 4) Test Result

5. Test Equipment

Equipment Name	Model Name	Manufacturer	Nest Calibration date
Dust Tester	JFMD-004	JFMTECH/ KOREA	2018. 01. 25
Immersion Tester	JFMB-008	JFMTECH / KOREA	2018. 01. 05

End

