

TEST REPORT



한국산업기술시험원
Korea Testing Laboratory

Report No. : 15-047364-01

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1. Client

Name : KUN HUNG ELECTRIC CO., LTD.

Address : 183, Hancheon-ro, Dongdaemun-gu, Seoul, Korea

Date of Receipt : 2015. 08. 12

2. Use of Report : For Quality Control

3. Test Sample

Description : PUSH BUTTON

Manufacturer : KUN HUNG ELECTRIC CO., LTD.

Model Name : NF25W-PM

Serial Number : -

Remark : -

4. Date of Test : 2015. 08. 17. ~ 2015. 08. 18.

5. Test Standard/Method : IEC 60529: 2001 (KS C IEC 60529:2006)

6. Testing Environment : Temperature : (26.1 ± 2.0) °C , Humidity : (67 ± 2) % R.H.

7. Test Results : Refer to the attached results

- Note : 1. The test results contained apply only to the test sample(s) supplied by the client
2. This test report shall not be reproduced in full or in part without approval of the KTL in advance.

| | | | | |
|-------------|---------------------|-------------|--------------------|-------------|
| Affirmation | Tested by | | Technical Manager | |
| | Name : Kim Chang-ho | (Signature) | Name : KIM JI-HOON | (Signature) |

The above test report is the accredited test result by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

2015. 08. 19

Korea Testing Laboratory

Accredited by KOLAS, Republic of KOREA



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FP202-03-03



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TEST RESULTS

for Degree of protection provided by enclosures(IP Code)

1. Test Results

| Code letters | IP | Test method and Record | Results |
|---|----|--|---------|
| 1st Characteristic numerals Against ingress of solid foreign objects | 5 | 1. CONDITIONS 1.1 Talcum powder(mesh) : Wire diameter=50 μ m, width between wires=75 μ m 1.2 Amount of talcum powder of the test chamber : 2kg/m ³ 2. TEST 2.1 Volume of the enclosures : test box about 1200 cm ³ 2.2 Reduction air pressure : -2.0 kPa (-200 mmH ₂ O) 2.3 Flow rate : 0.02 LPM 2.4 Extraction rate per hour : 1 volumes/h 2.5 Test duration : 8 hours | Pass |
| 2nd Characteristic numerals Against ingress of water with harmful effects | 4 | 1. CONDITIONS 1.1 Spray nozzel : \varnothing 0.5mm, 121 holes(Refer IEC 60529 Fig. 5) 1.2 Water flow rate : 10 \times (1 \pm 5 %) LPM 1.3 Delivery rate(Pressure) : 50 kPa 1.4 Distance from nozzle to enclosure surface : 300 mm ~ 500 mm 2. TEST 2.1 The duration of the test is : 5 minutes | Pass |

2. Reference Data

- (1) IP Code : IP54
- (2) Size : 34.5 mm \times 37 mm \times 62.2 mm
- (3) Rating : AC 250 V, 6 A
- (4) Identical Model : NF25GW-PM, NF25W-PEM, NF25GW-PEM, NF25W-PA, NF25GW-PA, NF25W-BM, NF25GW-BM, NF25W-BA, NF25GW-BA, NF25W-BEM, NF25GW-BEM, NF25W-PER, NF25GW-PER (34.5 mm \times 37 mm \times 62.2 mm)
- (5) Test is only button part.