

TEST REPORT

1. Applicant

Name : AUTOMA CO., LTD.
Address : 46-13. Wonmi-dong, Wonmi-gu, Bucheon-city,
Gyeonggi-do, Korea

2. Products

Name : Limit Switch Box
Model/Type : ALS30
Manufacturer : AUTOMA CO., LTD.
Remark : -

3. Test Standard/Method : IEC 60529:2001, KS C IEC 60529:2006

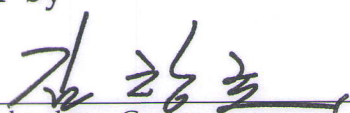
4. Test Results : IP68 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2013. 12. 18

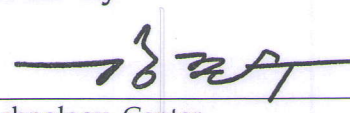
7. Date of Issue : 2014. 01. 08

Tested by


Base Technology Center

Chang-ho Kim

Approved by


Base Technology Center

Leader Jun-gu Kang

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

Korea Testing Laboratory



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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	6	1. CONDITIONS 1.1 Talcum powder(mesh) : Wire diameter=50 μm, width between wires=75 μm 1.2 Amount of talcum powder of the test chamber : 2kg/m³ 2. TEST 2.1 Volume of the enclosures: about 630 cm³ 2.2 Reduction air pressure : -2.0 kPa(-200 mmH₂O) 2.3 Flow rate : 0.0 LPM 2.4 Extraction rate per hour : 0 volumes/h 2.5 Test duration : 8 hours	Pass
2nd Characteristic numerals Against ingress of water with harmful effects	8	1. CONDITIONS 1.1 The lowest point of enclosure : 500 mm 1.2 The highest point of enclosure : 379 mm 1.3 Differential temperature of water and enclosure (less than 5K) : about 2.0 K 1.4 Hydraulic test : 2.0 kg/cm² (about 20 m) 2. TEST 2.1 The duration of the test is : 3 hours	Pass

2. Reference Data

- (1) Test conditions : 19.7 °C, 54 %RH, 86~106 kPa
- (2) Size : 121 mm×121.3 mm×H121 mm
- (3) Rating : AC 125/250 V, DC 125/250 V
- (4) Identical Model : ALS31, ALS32, ALS33, ALS34 (121 mm×121.3 mm×H121 mm)