

# TEST REPORT

## 1. Applicant

Name : Korea Auto Control Co., Ltd.  
Address : 150-55, Kajwa-Dong, Seo-Gu, Inchon,  
Korea

## 2. Products

Name : Foot Switch  
Model/Type : HRF-M8 / 77.0 mm×111.7 mm×35.0 mm  
Manufacturer : Korea Auto Control Co., Ltd.

3. Test Standard/Method : IEC 60529:2001, KS C IEC 60529:2002


4. Test Results : IP68 (Refer to document)

5. Use of Report : For Quality Control.

6. Date of Application : 2008. 07. 21

7. Date of Issue : 2008. 08. 28

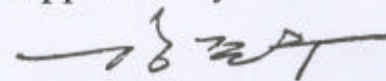
Tested by



Equipment Safety Team

Chang-ho Kim

Approved by



Equipment Safety Team

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

## TEST RESULTS

for Degree of protection provided by enclosures(IP Code)

### 1. Test Results

Code letters	IP	Test method and Record	Results
<p style="text-align: center;"><b>1st</b></p> <p><b>Characteristic numerals</b></p> <p>Against ingress of solid foreign objects</p>	<b>6</b>	<p>1. CONDITIONS</p> <p>1.1 Talcum powder(mesh) : <b>Wire diameter=50 <math>\mu</math>m, width between wires=75 <math>\mu</math>m</b></p> <p>1.2 Amount of talcum powder of the test chamber : <b>2kg/m<sup>3</sup></b></p> <p>2. TEST</p> <p>2.1 Volume of the enclosures : <b>about 0.5 cm<sup>3</sup></b></p> <p>2.2 Reduction air pressure : <b>-2.0 kPa (-200 mmH<sub>2</sub>O)</b></p> <p>2.3 Flow rate : <b>0.0 LPM</b></p> <p>2.4 Extraction rate per hour : <b>0 volumes/h</b></p> <p>2.5 Test duration : <b>8 hours</b></p>	<b>Pass</b>
<p style="text-align: center;"><b>2nd</b></p> <p><b>Characteristic numerals</b></p> <p>Against ingress of water with harmful effects</p>	<b>8</b>	<p>1. CONDITIONS</p> <p>1.1 The lowest point of enclosure : <b>1,500 mm</b></p> <p>1.2 The highest point of enclosure : <b>1,465 mm</b></p> <p>1.3 Differential temperature of water and enclosure (less than 5K) : <b>about 1.5 K</b></p> <p>2. TEST</p> <p>2.1 The duration of the test is : <b>3 hour</b></p>	<b>Pass</b>

### 2. Reference Data

- (1) Test conditions : 15~35 °C, 25~75 %RH, 86~106 kPa
- (2) Switch Part : Epoxy Molding