

## TEST REPORT

### 1. Applicant

Name : KOSAPLUS Co., Ltd.  
Address : 301-1Ho. 3Ba, 294. Gongdan2dae-ro, Siheung-si,  
Gyeonggi-do, Korea

### 2. Products

Name : Electric Actuator  
Model/Type : KE005  
Manufacturer : KOSAPLUS 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 : 2014. 01. 15

7. Date of Issue : 2014. 01. 24

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
<b>1st</b> Characteristic numerals  Against ingress of solid foreign objects	<b>6</b>	1. CONDITIONS 1.1 Talcum powder(mesh) : <b>Wire diameter=50 <math>\mu</math>m, width between wires=75 <math>\mu</math>m</b> 1.2 Amount of talcum powder of the test chamber : <b>2kg/m<sup>3</sup></b>  2. TEST 2.1 Volume of the enclosures: <b>about 700 cm<sup>3</sup></b> 2.2 Reduction air pressure : <b>-2.0 kPa(-200 mmH<sub>2</sub>O)</b> 2.3 Flow rate : <b>0.0 LPM</b> 2.4 Extraction rate per hour : <b>0 volumes/h</b> 2.5 Test duration : <b>8 hours</b>	<b>Pass</b>
<b>2nd</b> Characteristic numerals  Against ingress of water with harmful effects	<b>8</b>	1. CONDITIONS 1.1 The lowest point of enclosure : <b>500 mm</b> 1.2 The highest point of enclosure : <b>375 mm</b> 1.3 Differential temperature of water and enclosure (less than 5K) : <b>about 2.0 K</b> 1.4 Hydraulic test : <b>1.0 kg/cm<sup>2</sup> (about 10 m)</b>  2. TEST 2.1 The duration of the test is : <b>120 hours</b>	<b>Pass</b>

### 2. Reference Data

- (1) Test conditions : 19.5 °C, 49 %RH, 86~106 kPa
- (2) Size : 123.1 mm×97.6 mm×H124.3 mm
- (3) Rating : AC 110/220 V, DC 24 V