

TEST REPORT

1. Applicant

Name : i-Tork Controls Co., Ltd.
Address : 12-13, Gilju-ro 411 beon-gil, Wonmi-Gu, Bucheon Si, Gyeonggi-Do, Korea

2. Products

Name : Multi Turn Actuator
Model/Type : ITM0450
Manufacturer : i-Tork Controls Co., Ltd.

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. 05. 13.

7. Date of Issue : 2014. 05. 28.

Tested by



Approved by



KIM CHANG HO

Kang Jun Gu

Base Technology Center

Base Technology Center

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

2014. 05. 28.

Korea Testing Laboratory



Accredited by KOLAS, Republic of KOREA

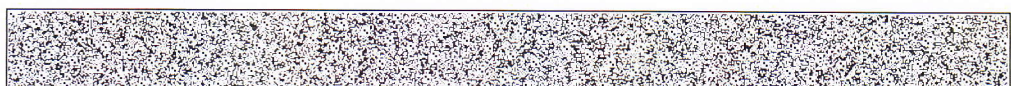
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FP202-03-02



* 위 마크는 추후 전자확인증 대조 프로그램에서 원본대조시 사용되는 2D코드입니다.

TEST RESULTS

for Degree of protection provided by enclosures(IP Code)

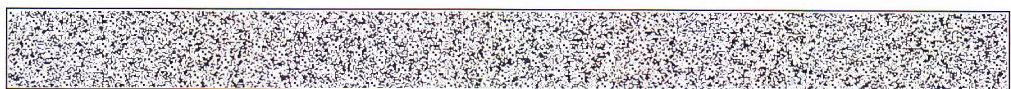
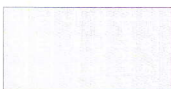
1. Test Results

Code letters	IP	Test method and Record	Results
<p>1st Characteristic numerals</p> <p>Against ingress of solid foreign objects</p>	6	<p>1. CONDITIONS</p> <p>1.1 Talcum powder(mesh) : Wire diameter=50 μm, width between wires=75 μm</p> <p>1.2 Amount of talcum powder of the test chamber : 2kg/m³</p> <p>2. TEST</p> <p>2.1 Volume of the enclosures: about 12000 cm³</p> <p>2.2 Reduction air pressure : -2.0 kPa (-200 mmH₂O)</p> <p>2.3 Flow rate : 0.0 LPM</p> <p>2.4 Extraction rate per hour : 0 volumes/h</p> <p>2.5 Test duration : 8 hours</p>	Pass
<p>2nd Characteristic numerals</p> <p>Against ingress of water with harmful effects</p>	8	<p>1. CONDITIONS</p> <p>1.1 The lowest point of enclosure : 600 mm</p> <p>1.2 The highest point of enclosure : 200 mm</p> <p>1.3 Differential temperature of water and enclosure (less than 5K) : about 2.0 K</p> <p>1.4 Hydraulic test : 1.0 kg/cm² (about 10 m)</p> <p>2. TEST</p> <p>2.1 The duration of the test is : 100 hours</p>	Pass

2. Reference Data

- (1) Test conditions : 21.8 °C, 49 %RH, 86~106 kPa
- (2) Size : 664 mm×561 mm×H406 mm
- (3) Rating : AC 220~480 V, 50/60 Hz

FP202-04-01



※ 위 마크는 주후 전자확인증 대조 프로그램에서 원본대조시 사용되는 2D코드입니다.