



OCT 3, 2017

ALPHA CORPORATION

HOUSING HARDWARE DIVISION

# TEST REPORT

## DIGITAL LOCK WS200 DUST TEST

### 1. TEST SAMPLE

- 1) PART NO                    1YH30-00000
- 2) PART NAME                WS200 Body Assembled
- 3) QUANTITY                "N" = 1

### 2. TEST METHOD

#### 1) DATE

- December 21 to 24, 2013

#### 2) CONDITION

- Test Machine : DT-2 Suga test machine
- Test Spec 1 : JIS D 0207-1977 which is usually conducted dust test for automotive parts
- Test Spec 2 : JIS A1541-1-2006 which is usually conducted building hardware-locks and latches

#### 3) CRITERION

- Lock/unlock torque with mechanical key:  
Before Test : Less than 30N · cm      After Test : Less than double of before test
- Mechanical key load of insert and taking out :  
Before Test : Less than 10N              After Test : Less than double of before test
- Lock/unlock torque with thumb-turn :  
Before Test : Less than 10N · cm      After Test : Less than double of before test
- There is no abnormality handle operation
- There is no abnormality locking/unlocking operation
- There is no abnormality or change in touch panel

### 3. TEST RESULTS

## PASSED

- Confirmed that there is no abnormality locking/unlocking operation
- Confirmed that there is no abnormality or change in touch panel
- Confirmed that there is no abnormality or change in card reader.
- Confirmed that there is no abnormality handle operation