



## 1. Client

- Name: Dongseo Electric Co
- Address: 163, Heyri-ro, Tanhyeon-myeon, Paju-si, Gyeonggi-do, Republic of Korea

## 2. Manufacturer

- Name: Dongseo Electric Co
- Address: 163, Heyri-ro, Tanhyeon-myeon, Paju-si, Gyeonggi-do, Republic of Korea

## 3. Sample Description

- Name: Aluminum Box Terminal Block
- Model: AL-BOXTB-10PT
- Rating: IK08

4. Date of test: 2022. 10. 28

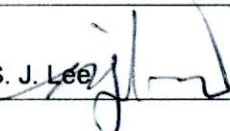
5. Test method used: IEC 62262:2002  
IEC 60068-2-75:2014

6. Test results: Pass

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

This laboratory is not accredited for the test results marked \*.

If you want verify the authenticity of the test report, please contact Standard LaBS.

|             |                                                                                                                              |                                                                                                                                |
|-------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Affirmation | Tested by<br>Name (Signature): D. H. Ahn  | Tested by<br>Name (Signature): S. J. Lee  |
|-------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|

2022. 11. 02.

**Standard LaBS Representative (Signature)**

46, LS-ro 91beon-gil, Dongan-gu, Anyang-si, gyeonggi-do Rep. of KOREA

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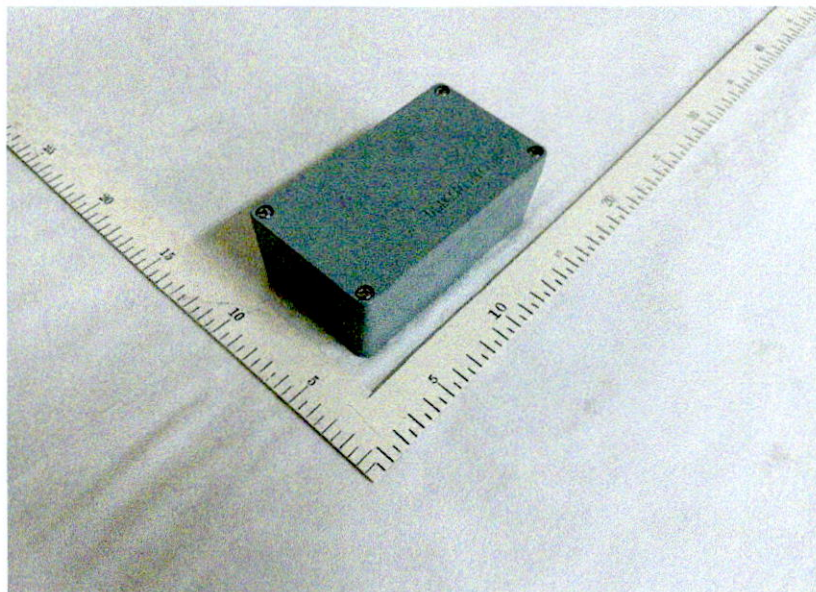
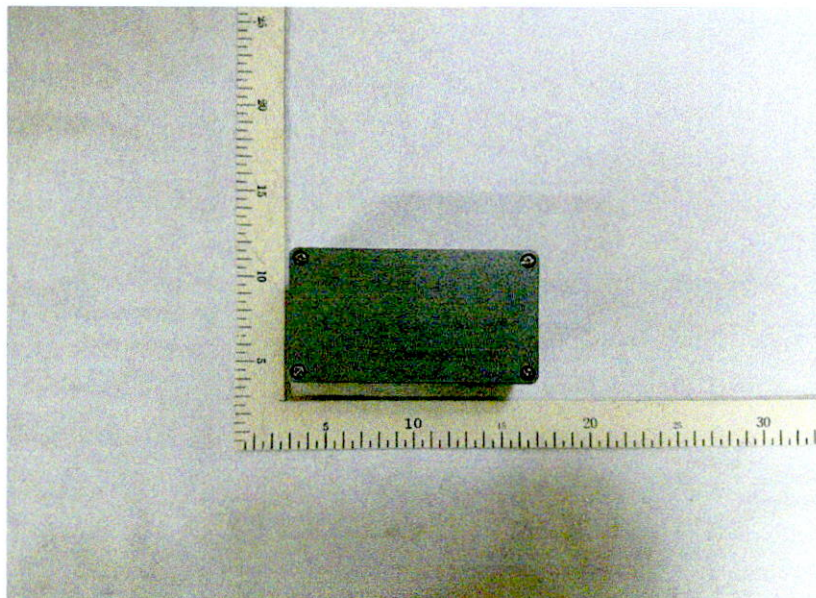


## 1. Product

### 1.1 Description of product

| Items         | Specification               |
|---------------|-----------------------------|
| Product name  | Aluminum Box Terminal Block |
| Basic model   | AL-BOXTB-10PT               |
| Family models | -                           |

### 1.2 Photograph of product



## 2. Test Method and Results

### 2.1 Test Method (IEC 62262 & IEC 60068-2-75)

The enclosure under test shall be in a clean and new condition, complete with all its parts in place.

- In order to verify the protection against mechanical impacts, blows shall be applied to the enclosure to be tested.
- During the test the enclosure shall be mounted on rigid support.
- The number of impacts shall be five on each exposed face. The impacts shall be evenly distributed on the faces of the enclosure(s) under test.
- For the impact test, the mass of the impact element and the drop height of the impact element shall be as specified in Table 1 according to the IK code.

Table 1 – Relation between IK code, impact energy, mass of striking element and height of fall

| IK code             | IK01 | IK02 | IK03 | IK04 | IK05 | IK06 | IK07 | IK08 | IK09 | IK10 |
|---------------------|------|------|------|------|------|------|------|------|------|------|
| Impact energy, J    | 0.14 | 0.2  | 0.35 | 0.5  | 0.7  | 1    | 2    | 5    | 10   | 20   |
| Equivalent mass, kg | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5  | 1.7  | 5    | 5    |
| Height of fall, mm  | 56   | 80   | 140  | 200  | 280  | 400  | 400  | 300  | 200  | 400  |

### 2.2 Requirements

After the test, the samples shall show no signs that:

- i) ENCLOSURES show no cracks which could cause a HAZARD;
- ii) PROTECTIVE BARRIERS necessary for safety have not been damaged or loosened;
- iii) no moving parts are exposed if applicable;
- iv) there has been no damage which could cause spread of fire.



## 2.3 Test conditions

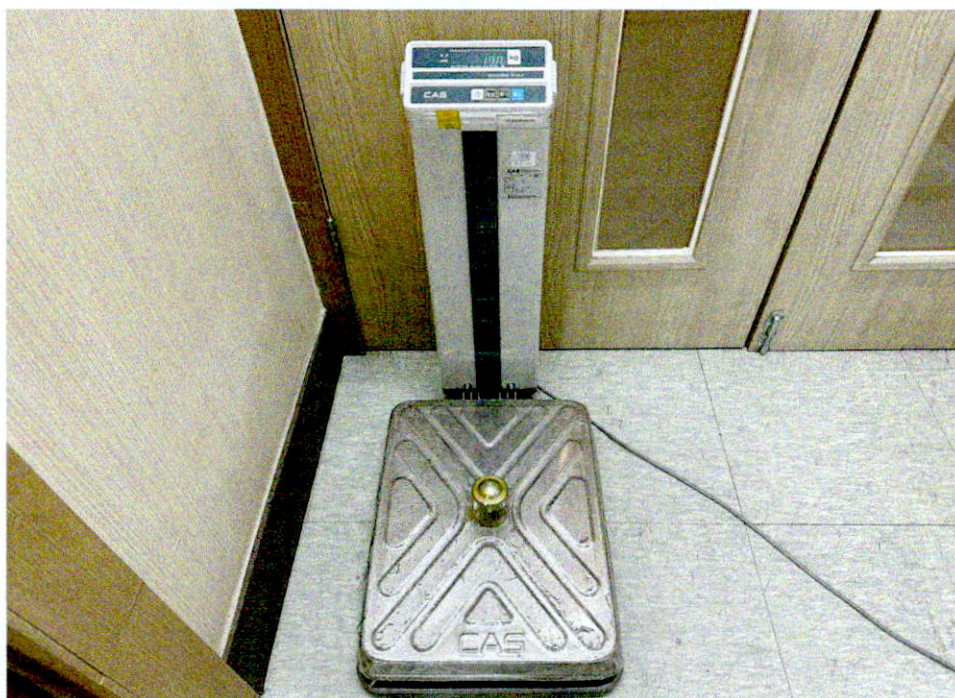
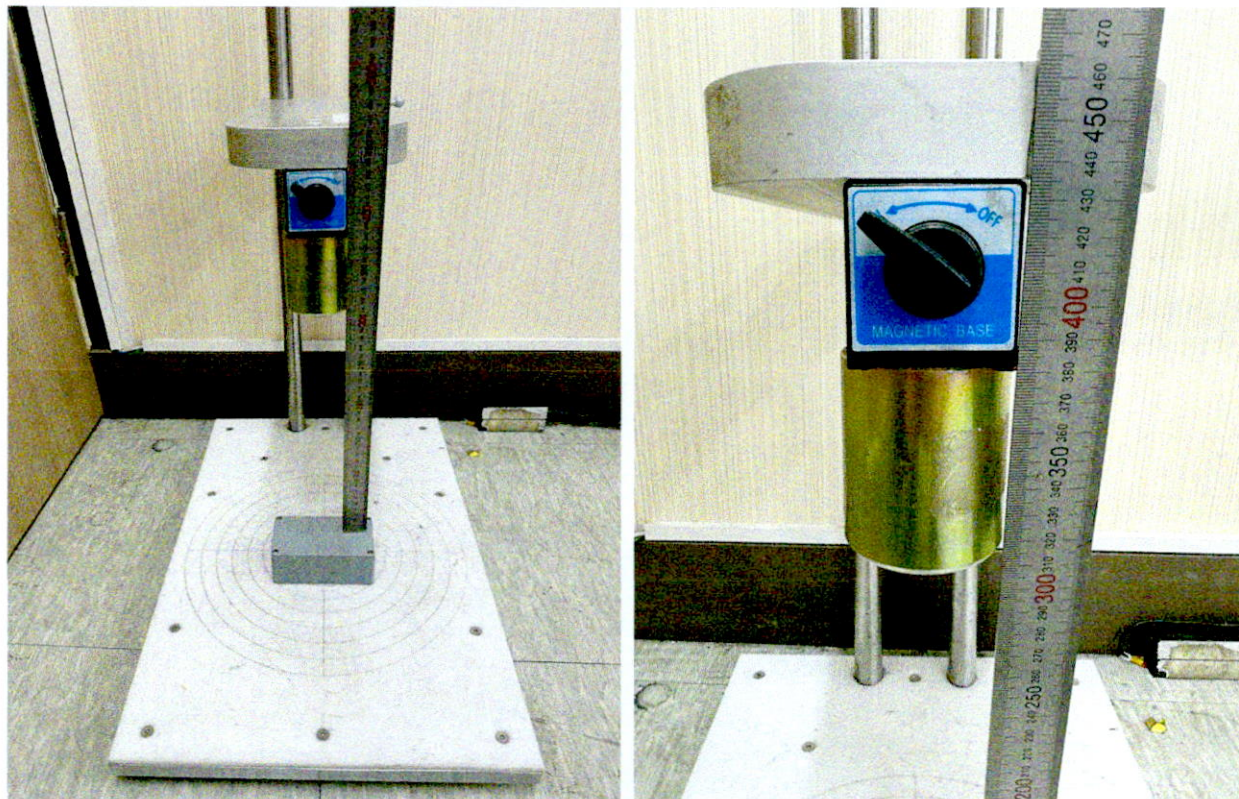
| Items             | Specification                |
|-------------------|------------------------------|
| IK code           | IK08                         |
| Impact energy     | 5 Joule                      |
| Height of fall    | 295 mm                       |
| Type of apparatus | Vertical hammer, 1.7 kg      |
| Number of impacts | 5 times on each exposed face |

## 2.4 Test results

| Impact area | Drop number                                | Position               | Results                                     | Remark                   |
|-------------|--------------------------------------------|------------------------|---------------------------------------------|--------------------------|
| Top area    | #1                                         | Front                  | There is no damage that could be dangerous. | See of photos after test |
|             | #2                                         | Diagonally above left  |                                             |                          |
|             | #3                                         | Diagonally above right |                                             |                          |
|             | #4                                         | Diagonally lower left  |                                             |                          |
|             | #5                                         | Diagonally lower right |                                             |                          |
| Body area   | #1                                         | Front                  | There is no damage that could be dangerous. |                          |
|             | #2                                         | Diagonally above left  |                                             |                          |
|             | #3                                         | Diagonally above right |                                             |                          |
|             | #4                                         | Diagonally lower left  |                                             |                          |
|             | #5                                         | Diagonally lower right |                                             |                          |
| Bottom area | #1                                         | Front                  | There is no damage that could be dangerous. |                          |
|             | #2                                         | Diagonally above left  |                                             |                          |
|             | #3                                         | Diagonally above right |                                             |                          |
|             | #4                                         | Diagonally lower left  |                                             |                          |
|             | #5                                         | Diagonally lower right |                                             |                          |
| Note        | Impact position: All surface of enclosure. |                        |                                             |                          |

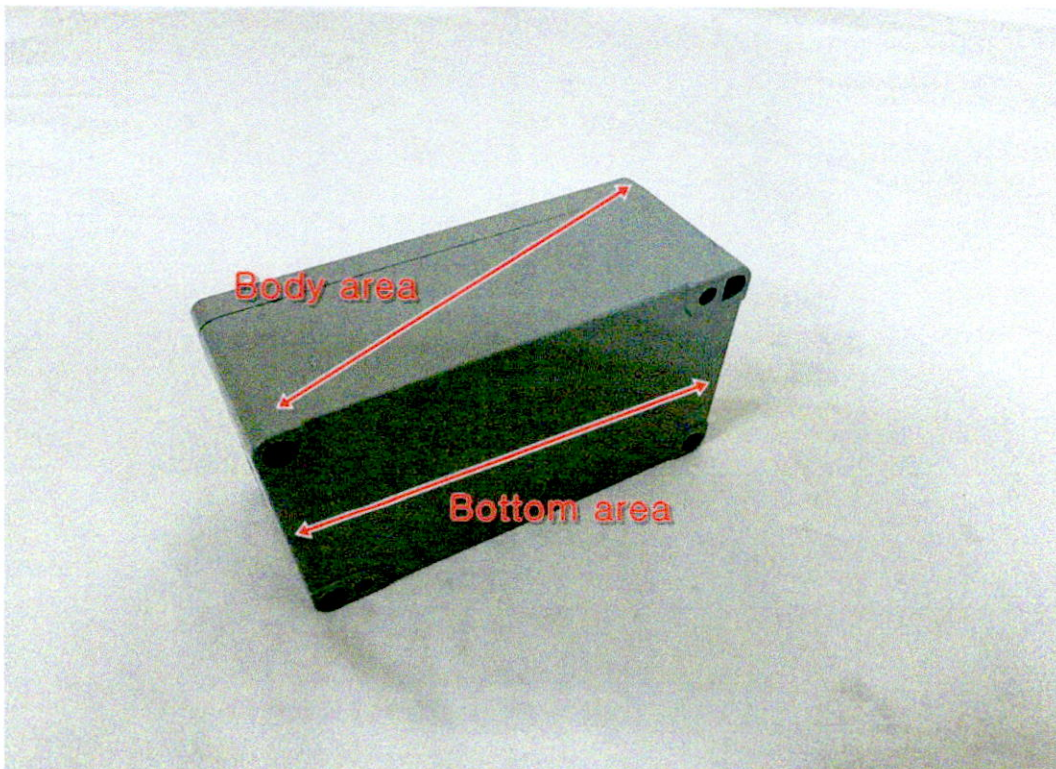


## 3. Photographs



[Test setup]





[Impact area]





[After test]





**Standard Labs**  
STANDARD Laboratory for Certification Service  
(주)스탠다드랩스

# TEST REPORT

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## 4. Test equipments

| Name of equipment | Model No. | Manufacturer         | Specification | Date of next calibration |
|-------------------|-----------|----------------------|---------------|--------------------------|
| Tape Measure      | 5M        | KOMELON              | 1705522       | 2024-01-21               |
| Hammer tester     | SL-HT1    | Myung Sung Precision | RH0320817     | N/A                      |
| IK Weights        | 1.7 kg    | Myung Sung Precision | -             | 2023-07-13               |

----- The end of test report -----