



中国认可
国际互认
检测
TESTING
CNAS L1061



Type Test Certificate for Special Equipment (Lift)

Certificate Number: TSX F36002220170131

Applicant: ShenYang Bluelight Automatic Technology Co., Ltd.
Registered address of applicant: No. 37 Shiji Road, Hunnan New District, Shenyang, China
Manufacturer: ShenYang Bluelight Automatic Technology Co., Ltd.
Registered address of manufacturer: No. 37 Shiji Road, Hunnan New District, Shenyang, China
Category of equipment: Lift safety protection component
Type of equipment: Safety circuits containing electronic components and/or programmable electronic systems (PESSRAL)
Name of product: Safety circuits containing electronic components
Model of product: MU_V61
Type test report No.: ETC17F360131、ETC23F360YZ056

After type test, it is confirmed that the product complies with the requirements of TSG T7007-2022 *Regulation for Type Test of Lifts*、GB/T 7588.1-2020、GB/T 7588.2-2020、ISO 8100-1:2019、ISO 8100-2:2019、EN 81-20:2014 (EN 81-20:2020)、EN 81-50:2014 (EN 81-50:2020) .

Applicable product model(s) of the certificate: MU_V61

See appendix for applicable product parameters and configuration of the certificate.

(Stamp of organ)

Issue date: 2017-11-03

Recertification date: 2023-10-20

Revalidation date: Before 2027-11-03

Shanghai Jiao Tong University Elevator Test Center

Note:

1. The applicant has responsibilities to ensure that the products conform to the requirements of the safety technical specifications and relative standards, and to ensure that the quality and safety performance of products are consistent with the tested sample mentioned above.
2. This certificate is not applicable to product manufactured after the revalidation date.
3. If this certificate is revised, the validity period of the certificate remains unchanged.

Appendix

Applicable Product Parameters and Configuration

| | | | |
|--|--|------------------|-----------------------|
| Product function | Connections to different points of the electric safety chain | | |
| Model of product | MU_V61 | Type of product | Printed circuit board |
| Operating voltage | DC5V、DC24V、AC110V | Pollution degree | / |
| Environmental working conditions | Ambient temperature: 0~65°C | | |
| Response time (Applicable to the situation as a detection subsystem of unintended car movement protection (UCMP) means) (See Note 1) | | / | |

Note 1:

The configuration of the detection subsystem of UCMP means may include door zone sensor, door zone relay, printed circuit board, brake contactor and other possible components.

The response time of the detection subsystem is the sum of the design value of the response time of the printed circuit board and the maximum response time of other configured components provided by the applicant.

In actual use, the applicant can freely choose the configuration of the detection subsystem according to the specific situation, and the final total response time cannot be greater than the response time provided by this certificate.

Notes:

When the parameter range and configuration listed in the appendix are changed, the type test shall be conducted again.



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Report No. ETC23F360YZ056

Special Equipment

Type Test Report

(Lift)

| | |
|------------------------|---|
| Category of equipment: | Lift safety protection component |
| Type of equipment: | Safety circuits containing electronic components and/or programmable electronic systems (PESSRAL) |
| Name of product: | Connections to different points of the electric safety chain |
| Model of product: | MU_V61 |
| Manufacturer: | ShenYang Bluelight Automatic Technology Co., Ltd. |
| Applicant: | ShenYang Bluelight Automatic Technology Co., Ltd. |
| Category of type test: | Third verification |
| Test date: | 2023-10-10 |

Shanghai Jiao Tong University Elevator Test Center

NOTICES

- 1、 The report is the result of the type test according to the TSG T7007-2022 *Regulation for Type Test of Lifts*.
- 2、 The report shall be printed by computer and be invalid with any modification.
- 3、 The report will be invalid without the signature of approver、 verifier and tester .It will also be invalid without the approval certificate、 the cross-page official stamp of the type test entity.
- 4、 Type test report is only valid for the sample.
- 5、 It is forbidden to copy the report partly without the permission of the type test organ. The partly copied report will be invalid.
- 6、 Any dissents to the report must be put forward to the type test organ within 15 working days from receiving it. Otherwise, it is considered that the report is accepted.
- 7、 The test samples shall be handled according to relevant regulations except that they are not returned due to legitimate losses.
- 8、 The addresses of Elevator Test Center, Shanghai Jiaotong University are as follows:

(1) Dongchuan Road Laboratory

Room B210, School of Mechanical Engineering, Shanghai Jiaotong University

No.800, Dongchuan Road, Minhang District, Shanghai, P.R. China

Tel: +86-21-34207035/34207036

Fax: +86-21-34207035/34207036-814

Zip code: 200240

(2) Jindu Road Laboratory

Room 1001, Comprehensive Building, South Urban Park

No.123, lane 1165, Jindu Road, Minhang District, Shanghai, P.R. China

Tel : +86-21-61267037

Fax : +86-21-61267037 to 812

Zip code: 201108



| | | | |
|------------------------------------|--|---|---|
| Category of equipment | Lift safety protection component | Type of equipment | Safety circuits containing electronic components and/or programmable electronic systems (PESSRAL) |
| Name of product | Safety circuits containing electronic components | Model of product | MU_V61 |
| Serial number of product | 230908 | Date of manufacture | 2023-09-08 |
| Applicable product model(s) | / | | |
| Applicant | ShenYang Bluelight Automatic Technology Co., Ltd. | | |
| Registered address of applicant | No. 37 Shiji Road, Hunnan New District, Shenyang, China | | |
| Unified social credit code | 91210112604650397R | | |
| Manufacturer | ShenYang Bluelight Automatic Technology Co., Ltd. | | |
| Registered address of manufacturer | No. 37 Shiji Road, Hunnan New District, Shenyang, China | | |
| Unified social credit code | 91210112604650397R | | |
| Manufacturing address | No.99 ChuangXin 1 ST Road, Hunnan New District, Shenyang, China | | |
| Location of test | Dongchuan Road Laboratory of Shanghai Jiao Tong University Elevator Test Center | | |
| State of sample | No abnormal | Test date | 2023-10-10 |
| Test conditions | No abnormal | Category of type test | Third verification |
| Test basis | TSG T7007-2022 <i>Regulation for Type Test of Lifts</i> , GB/T 7588.1- 2020, GB/T 7588.2-2020, ISO 8100-1:2019, ISO 8100-2:2019, EN 81-20:2014(EN 81-20:2020), EN 81-50:2014(EN 81-50: 2020) | | |
| Test Conclusion | Certificated. | | |
| Tested by: | Date:2023-10-20 | Approval certificate of type test organ: TS7610022-2025 Shanghai Jiao Tong University Elevator Test Center 2023-10-20 | |
| Verified by: | Date:2023-10-20 | | |
| Approved by: | Date:2023-10-20 | | |

**1. Technical parameters and configuration of sample**

| | | | |
|--|--|------------------|-----------------------|
| Product function | Connections to different points of the electric safety chain | | |
| Model of product | MU_V61 | Type of product | Printed circuit board |
| Operating voltage | DC5V、DC24V、AC110V | Pollution degree | / |
| Environmental working conditions | Ambient temperature: 0~65℃ | | |
| Response time (Applicable to the situation as a detection subsystem of unintended car movement protection (UCMP) means) (See Note 1) | | / | |

Note 1:

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In actual use, the applicant can freely choose the configuration of the detection subsystem according to the specific situation, and the final total response time cannot be greater than the response time provided by this certificate.

2. Check for technical documents of the sample

| No. | Items No. | Check items | Check results | Conclusion |
|-----|-----------|--|--------------------------|------------|
| 1 | R5.1.1 | Conformity certificate documents and instruction | Comply with requirements | Pass |
| 2 | R5.1.2 | Technical documents for main construction parameter | Comply with requirements | Pass |
| 3 | R5.1.3.1 | Relative technical documents of safety circuits | Comply with requirements | Pass |
| 4 | -- | Requirements for using in special environment | N/A | N/A |
| 5 | -- | Other necessary documents | N/A | N/A |
| 6 | -- | Applicable products and the relative technical documents | N/A | N/A |

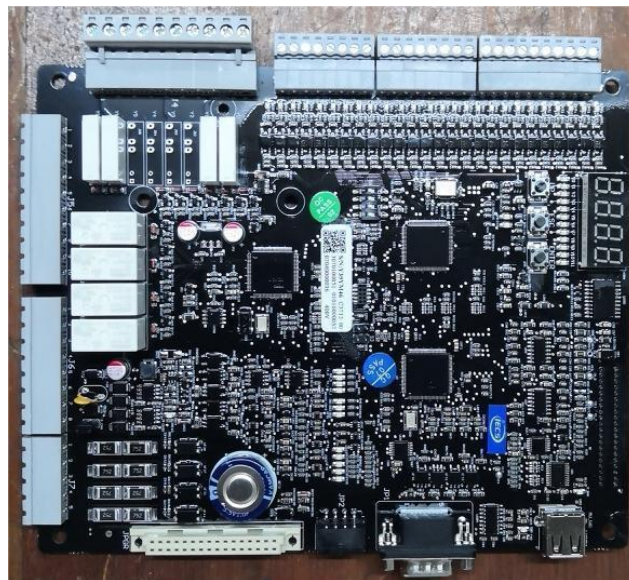


3. Check and test of the sample

| No. | Items No. | Check and test items | Check and test results | Conclusion |
|-----|-----------|--|--------------------------|------------|
| 1 | R6.2 | Check for the function of safety circuit | Comply with requirements | Pass |
| 2 | R6.4 | Temperature tests | Comply with requirements | Pass |
| 3 | R6.4 | Vibration tests | N/A | N/A |
| 4 | R6.4 | Bumping tests | N/A | N/A |
| 5 | R6.4 | Crash test | N/A | N/A |
| 6 | R6.6 | Nameplate | Comply with requirements | Pass |
| 7 | -- | Validation of fault analysis | Comply with requirements | Pass |

Annex

1. Photo of the sample





2. Photo of the temperature tests



3. Other information

(1) This type test is the verification of conformance with the performance of sample in the first test and the parameters and configuration in the Type Test Certificate according to the TSG T7007-2022 *Regulation for Type Test of Lifts*. Only parts of items in the Part 3 'Check and test of the sample' were checked or tested.

(2) This English report is a translated version of the Chinese report and is issued on the same date as the Chinese report.

4. Revise(s) of the type test report

None.