



中国认可
国际互认
检测
TESTING
CNAS L1061



Type Test Certificate for Special Equipment (Lift)

Certificate Number: TSX F36002220240031

Applicant: Shenyang Bluelight New Generation Technology Co., Ltd.
Registered address of applicant: No. 37 Shiji Road, Hunnan New District, Shenyang, China
Manufacturer: Shenyang Bluelight New Generation 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: SJT-SFBK-V1
Type test report No.: ETC24F360031

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: SJT-SFBK-V series

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

(Stamp of organ)

Issue date: 2024-04-19

Revalidation date: before 2028-04-19

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	Cut off the current to the brake		
Model of product	SJT-SFBK-V1	Type of product	Printed circuit board
Operating voltage	DC24V、AC110V、AC220V	Pollution degree	3
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:

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. ETC24F360031

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:	Safety circuits containing electronic components
Model of product:	SJT-SFBK-V1
Manufacturer:	Shenyang Bluelight New Generation Technology Co., Ltd.
Applicant:	Shenyang Bluelight New Generation Technology Co., Ltd.
Category of type test:	Overall test at first
Test date:	2024-04-16~2024-04-19

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、 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.
- 6、 The test samples shall be handled according to relevant regulations except that they are not returned due to legitimate losses.
- 7、 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





SJTU Elevator Test Center

Type Test Report

Report No. ETC24F360031

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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	SJT-SFBK-V1
Serial number of product	3150100006	Date of manufacture	2024-04-01
Applicable product model(s)	SJT-SFBK-V series		
Applicant	Shenyang Bluelight New Generation Technology Co., Ltd.		
Registered address of applicant	No. 37 Shiji Road, Hunnan New District, Shenyang, China		
Unified social credit code	91210112MA0YDH0R63		
Manufacturer	Shenyang Bluelight New Generation Technology Co., Ltd.		
Registered address of manufacturer	No. 37 Shiji Road, Hunnan New District, Shenyang, China		
Unified social credit code	91210112MA0YDH0R63		
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	2024-04-16~ 2024-04-19
Test conditions	No abnormal	Category of type test	Overall test at first
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: 洪荣凯		Approval certificate of type test organ: Shanghai Jiao Tong University Elevator Test Center 2024-04-19	
Date: 2024-04-19			
Verified by: 陈冲			
Date: 2024-04-19			
Approved by: 张羽			
Date: 2024-04-19			

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

Product function	Cut off the current to the brake		
Model of product	SJT-SFBK-V1	Type of product	Printed circuit board
Operating voltage	DC24V、AC110V、AC220V	Pollution degree	3
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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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	Comply with requirements	Pass



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	Comply with requirements	Pass
4	R6.4	Bumping tests	Comply with requirements	Pass
5	R6.4	Crash test	Comply with requirements	Pass
6	R6.6	Nameplate	Comply with requirements	Pass
7	--	Validation of fault analysis	Comply with requirements	Pass

Annex

1. Photo of the sample

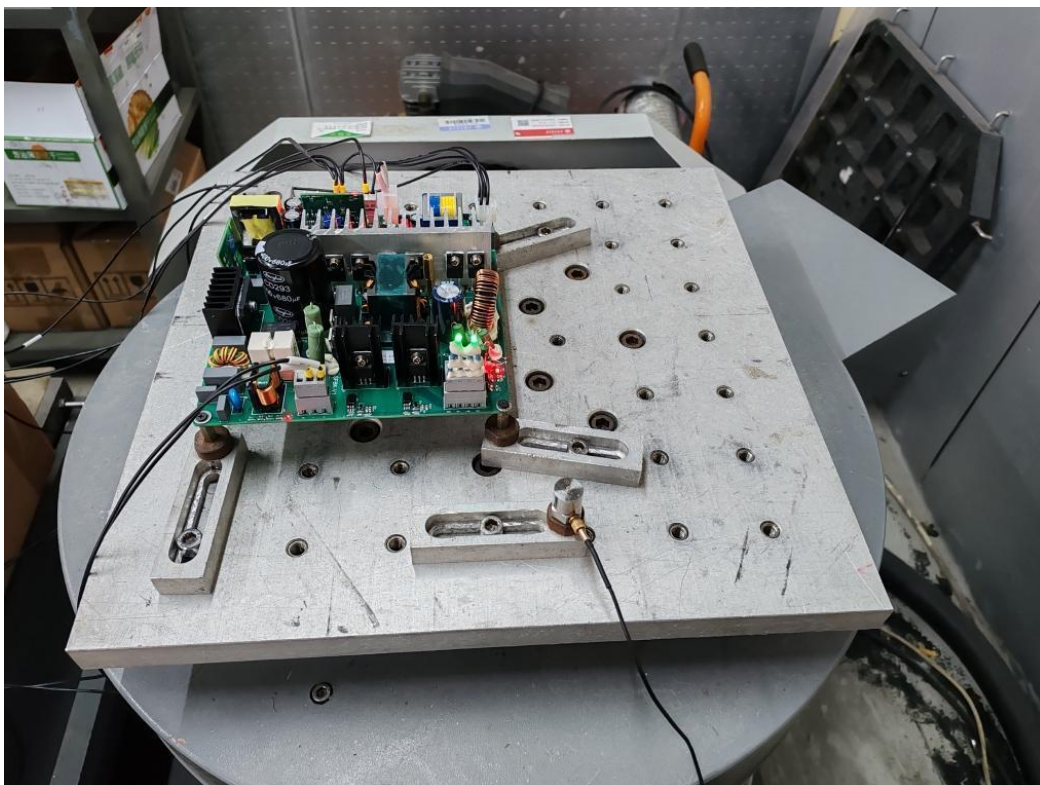




2. Photo of the temperature tests



3. Photo of the vibration tests





4. Other information

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

5. Revise(s) of the type test report

None.

