



中国认可
国际互认
检测
TESTING
CNAS L1061



Type Test Certificate for Special Equipment (Lift)

Certificate Number: TSX F36002220210002

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
Name of product: Safety circuits containing electronic components
Model of product: SJT-ZPC-V2A
Type test report No.: ETC21F360002(1)、ETC23F360YZ008

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-ZPC-V2A

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

(Stamp of organ)

Issue date: 2021-03-01
Revision date: 2021-04-19
Recertification date: 2023-02-24
Revalidation date: before 2027-03-01

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	Control of levelling and re-levelling with doors open、 UCMP detection subsystem		
Model of product	SJT-ZPC-V2A	Type of product	Printed circuit board
Operating voltage	DC24V	Pollution degree	/
Environmental working conditions	Ambient temperature: -20~65℃		
Response time (Applicable to the situation as a detection subsystem of unintended car movement protection (UCMP) means) (See Note 1)		$\leq 81\text{ms}$ (Door zone sensor: $\leq 3\text{ms}$, printed circuit board: $\leq 10\text{ms}$, brake contactor: $\leq 68\text{ms}$)	

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.

Door zone sensor list

Serial number	Manufacturer	Model	Response time test
1	SHANGHAI FUXIANG	FX-T121/FX-T121E	$\leq 1.8\text{ms}$
2	Changchun WETON opoelectronic Co., Ltd.	SGD31-GG-TZ2B2	$\leq 1\text{ms}$
3	Changchun WETON opoelectronic Co., Ltd.	E3S-GS3E4	$\leq 1\text{ms}$
4	Changchun WETON opoelectronic Co., Ltd.	E3S-GS3B4	$\leq 1\text{ms}$
5	QIUTONG	TNC-121	$\leq 3\text{ms}$
6	QIUTONG	TN.DS-25	$\leq 1\text{ms}$
7	NBDZ	YG-10	$\leq 1\text{ms}$
8	NBDZ	NDS-83-P0	$\leq 1\text{ms}$

Door zone sensor list

(Continued)

Serial number	Manufacturer	Model	Response time test
9	NBDZ	NDS-83-N0	≤2ms
10	ELEDER ELECTRIC	HDPN-1	≤1ms
11	Changchun shenghao electronic co.,ltd	SH-GS3A4	≤2ms
12	Fuqi Technology (Suzhou) Co., Ltd	FX-PS1030M	≤1ms
13	BEERKE	BRK-DS3E4	≤1ms
14	Guangzhou Yongri Elevator Co.,Ltd	GX-GD-003	≤1ms
15	Foshan Shihe Electromechanical Co. Ltd.	E3S-GS30-A	≤1ms
16	Carlo gavazzi	PF74CNT30B03376	≤1ms
17	Changchun WETON opoelectronic Co., Ltd.	SGD31-GG-TZ2B2P	≤1ms
18	Changchun WETON opoelectronic Co., Ltd.	SGD31-GG-TZ2B2F	≤1ms
19	Changchun WETON opoelectronic Co., Ltd.	SGD31-GG-TZ2B2G	≤1ms
20	CEDES AG	GLS126NT	≤1ms
21	CEDES AG	GLS126NT.NC	≤1ms

Notes:

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

Revision Description:**Revision of Type Test Certificate**

No.	Item	Original description	Revised description	Revision date
1	Type test report No.	ETC21F360002	ETC21F360002(1)	2021-04-19



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Report No. ETC23F360YZ008

Special Equipment Type Test Report (Lift)

Category of equipment:	Lift safety protection component
Type of equipment:	Safety circuits containing electronic components
Name of product:	Safety circuits containing electronic components
Model of product:	SJT-ZPC-V2A
Manufacturer:	Shenyang Bluelight New Generation Technology Co., Ltd.
Applicant:	Shenyang Bluelight New Generation Technology Co., Ltd.
Category of type test:	First verification
Test date:	2023-02-21

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 report is made in quadruplicate, one for the type test organ and three for the applicant.
- 9、 Type test report and certificate should be subject to the Chinese version, while the English version is for reference only.

- 10、 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
Name of product	Safety circuits containing electronic components	Model of product	SJT-ZPC-V2A
Serial number of product	230207	Date of manufacture	2023-02-10
Applicable product model(s)	/		
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	2023-02-21
Test conditions	No abnormal	Category of type test	First 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: _____		Approval certificate of type test organ: TS7610022-2025 Shanghai Jiao Tong University Elevator Test Center 2023-02-24	
Date: 2023-02-24			
Verified by: _____			
Date: 2023-02-24			
Approved by: _____			
Date: 2023-02-24			

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

Product function	Control of levelling and re-levelling with doors open、 UCMP detection subsystem		
Model of product	SJT-ZPC-V2A	Type of product	Printed circuit board
Operating voltage	DC24V	Pollution degree	/
Environmental working conditions	Ambient temperature: -20~65℃		
Response time (Applicable to the situation as a detection subsystem of unintended car movement protection (UCMP) means) (See Note 1)		$\leq 81\text{ms}$ (Door zone sensor: $\leq 3\text{ms}$, printed circuit board: $\leq 10\text{ms}$, brake contactor: $\leq 68\text{ms}$)	

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.

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

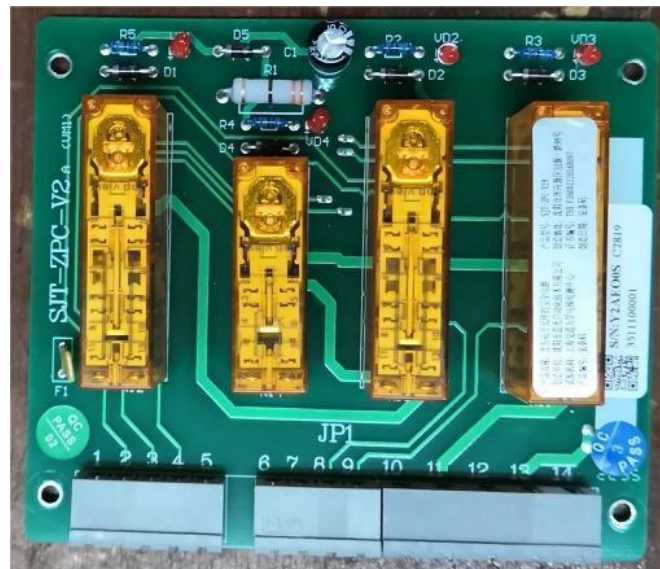


3. Check and test of the sample

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	N/A	N/A
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 vibration 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.