Shenyang Bluelight New Generation Technology Co., Ltd.
No. 37 Shiji Road, Hunnan New District, Shenyang, China
Shenyang B Techno
Ltd.
No. 37 Shiji Road, Hunna ng,
China

Lift safety protection compo

Safety circuits containing el nts

Safety circuits containin

SJT-ZPC-V2A

ETC21F360002(1

After type test, it is confirmed requirements of TSG T7007-2022 GB/T 7588.1-2020 GB/T 7588.2-2020 EN 81-20:2014 EN 81-20:2020 EN

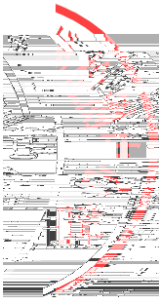
Applicable product model(s) of e

See appendix for applicable p e certificate.

| | | | |
|---|---|---|---|
| Product function | Control of levelling and re-levelling with doors open<br>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<br>(Applicable to the situation a | | | |

(Continued)

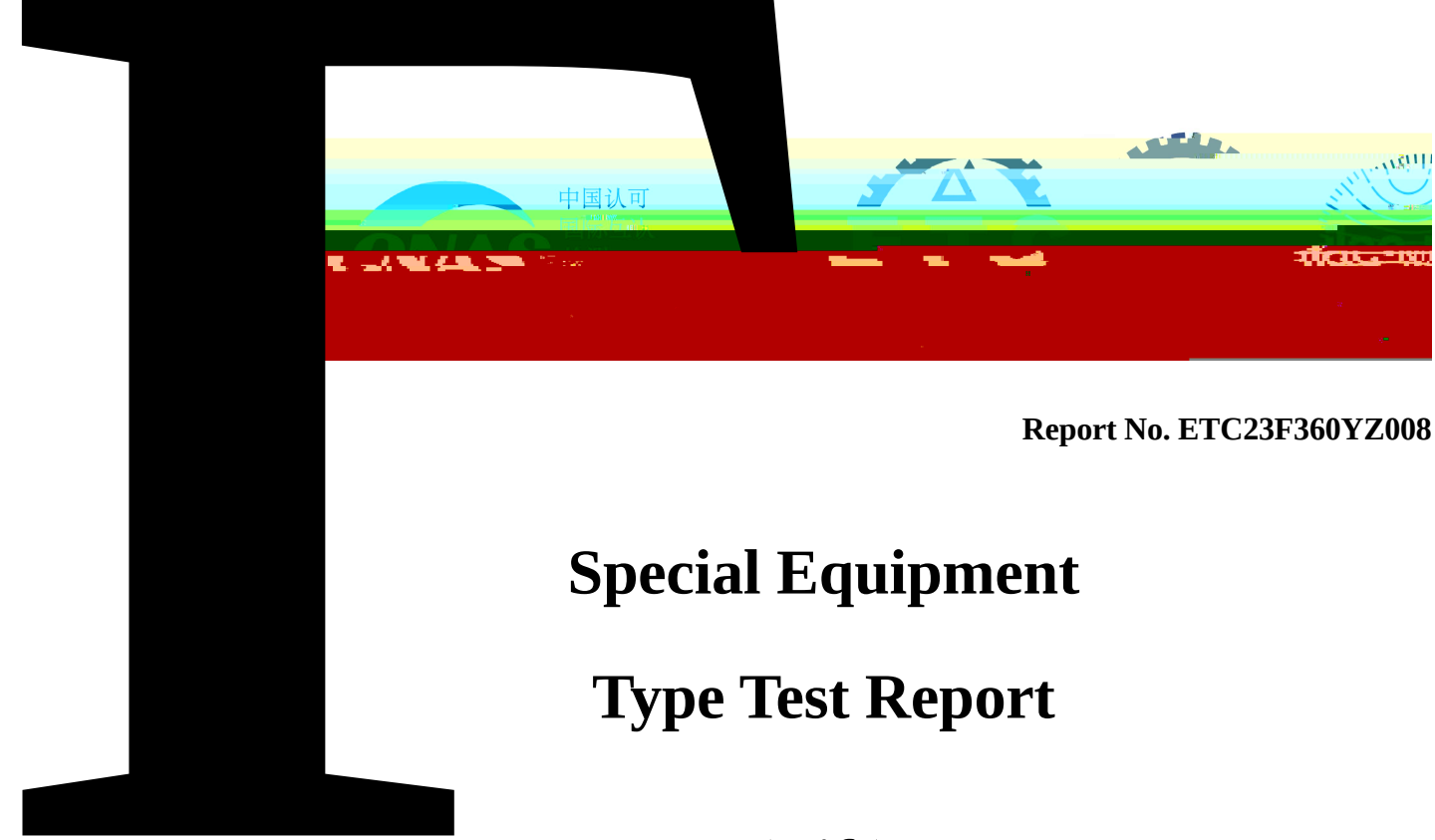
| Serial number | Manufacturer | Model | Response time test |
|---|---|---|---|
| 9 | NBDZ | NDS-83-N0 | 2ms |
| 10 | ELEDER ELECTRIC | HDPN-1 | 1ms |
| 11 | Changchun shenghao electronic co.,ltd | SH-GS3A4 | 2ms |
| 12 | Fuqi Technology (Suzhou) Co., Ltd | FX-PS1030M | 1ms |
| 13 | BEERKE | BRK-DS3E4 | 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.

| | | | | |
|---|---|---|---|---|
| 1 | Type test report No. | ETC21F360002 | ETC21F360002(1) | 2021-04-19 |

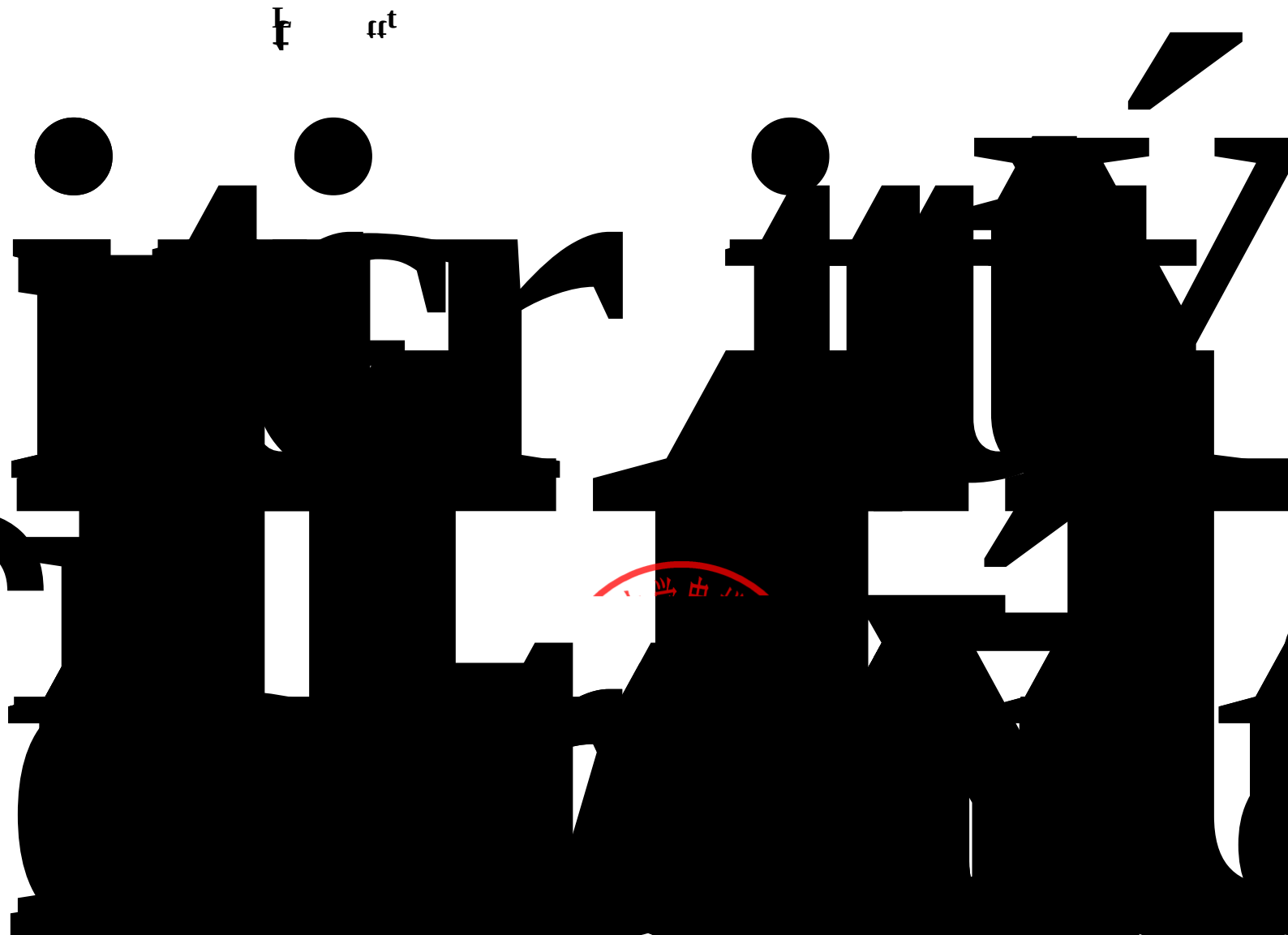


Report No. ETC23F360YZ008

# Special Equipment

# Type Test Report

# (Lift)



# NOTICES

1 The report is the result of the type test according to the T 007-2022 *Regulation for Type Test of Lifts*.

2 The report shall be print computer an valid wi modif n.

3 The report will be invali out the signa f approv ifier a er .It will also be invalid without the approva icate the cr ge offici p of t 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

# Type Test Report

| | | | |
|---|---|---|---|
| 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 1ST Road, Hunnan New District, Shenyang, China | | |
| Location of test | Dongchuan | | |

## 1. Technical parameters and configuration of sample

| | | | |
|---|---|---|---|
| Product function | Control of levelling and re-levelling with doors open<br>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<br>(Applicable to the situation as a detection subsystem of unintended car movement protection (UCMP) means)<br>(See Note 1) | ≤ 81ms<br>(Door zone sensor: ≤ 3ms, printed circuit board: ≤ 10ms, brake contactor: ≤ 68ms) | | |

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

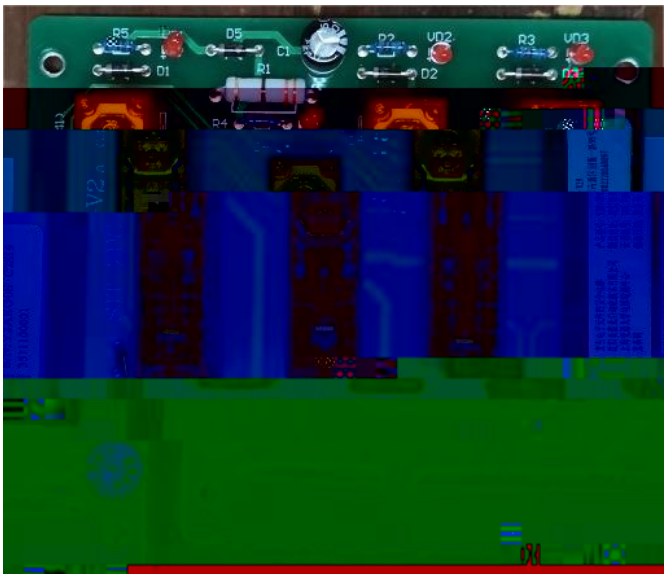
| No. | Items No. | Check items | Check results | Conclusion |
|---|---|---|---|---|
| 1 | R5.1.1 | Conformity certificate documents and instruction | Comply with requirements | Pass |
| 2 | R5.1.2 | Technical documents for main construction parameter | Comply with requirements | Pass |
| 3 | R5.1.3.1 | 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

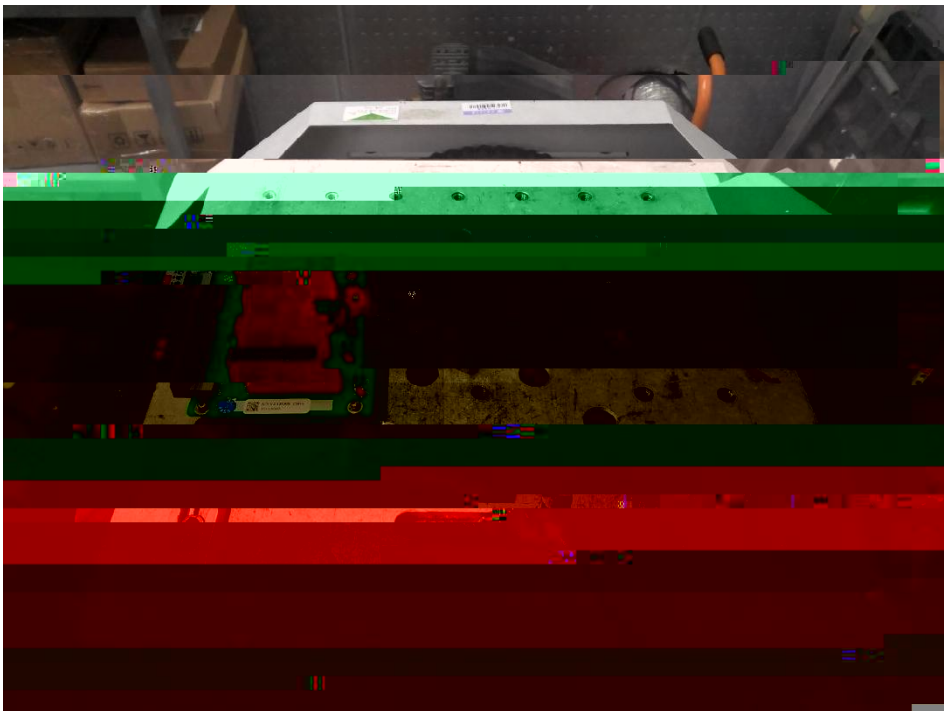
| No. | Items No. | Check and test items | Check and test results | Conclusion |
|---|---|---|---|---|
| 1 | R6.2 | Check for the function of safety circuit | Comply with requirements | Pass |
| 2 | R6.4 | Temperature tests | N/A | N/A |
| 3 | R6.4 | Vibration tests | Comply with requirements | Pass |
| 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 . 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.