



中国认可
国际互认
检测
TESTING
CNAS L1061



Type Test Certificate for Special Equipment (Lift)

Certificate Number: TSX F36002220240041

Applicant: STEM S.r.l.
Registered address of applicant: Via della Meccanica, 2 I-27010 Cura Carpignano Pavia Italia
Manufacturer: STEM S.r.l.
Registered address of manufacturer: Via della Meccanica, 2 I-27010 Cura Carpignano Pavia Italia
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: NC80
Type test report No.: ETC24F360041

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: NC80、NC80320、NC82、NC82320.

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

(Stamp of organ)

Issue date: 2024-05-27

Revalidation date: before 2028-05-27

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 | Check of the Locking of car door、 Check on the locked position of landing door locking device、 Control of levelling and re-levelling with doors open | | |
| Model of product | NC80 | Type of product | Printed circuit board |
| Operating voltage | Power supply: DC24V Electric safety chain: \leq AC230V or \leq DC48V | Pollution degree | 3 |
| 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) | | N/A | |

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.

Sensors list

| Serial number | Manufacturer | Model |
|---------------|--------------|-------------|
| 1 | STEM S.r.l. | N52 series |
| 2 | STEM S.r.l. | N55 series |
| 3 | STEM S.r.l. | C121 series |
| 4 | STEM S.r.l. | C191 series |

Notes:

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