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CNASL1061



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Report Number: ETC22B320YZ051

Type Test Report for Special Equipment (Lifts)

Classification : Lift main component

Varieties : Control cabinet

Product name : Traction drive lift control cabinet

Product model : NICE3000-W

Manufacturer : Suzhou Inovance Technology Co., Ltd.

Applicant : Suzhou Inovance Technology Co., Ltd.

Category of test : First Verification of Conformance

Type test date : 2022-05-26

Shanghai Jiao Tong University
Elevator Test Center






SJTUETC

Type Tests Report

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Classification	Lift Main Components	Varieties	Control Cabinet
Product name	Traction drive lift control cabinet	Product model	NICE3000-W
Product number	B20210462	Date of manufacturing	2022-04-28
Applicable product models	NICE3000-W、NICE3000-B		
Applicant	Suzhou Inovance Technology Co., Ltd.		
Registered address of applicant	No.16, Youxiang Road, Yuexi Town, Wuzhong District, Suzhou 215104, P.R.China		
Manufacturer	Suzhou Inovance Technology Co., Ltd.		
Registered address of manufacturer	No.16, Youxiang Road, Yuexi Town, Wuzhong District, Suzhou 215104, P.R.China		
Address of manufacturing	No.16, Youxiang Road, Yuexi Town, Wuzhong District, Suzhou 215104, P.R.China		
Test place	No.16, Youxiang Road, Yuexi Town, Wuzhong District, Suzhou 215104, P.R.China		
Status of the sample lift (the sample)	Normal	Test date	2022-05-26
Test conditions	Ok	Category of test	First Verification of Conformance
Regulation of testing	(TSG T7007-2016)、GB 7588-2003+XG1-2015、EN 81-1:1998+A3:2009		
Test conclusion	Type Tests Passed		
Tester: 王青	Date: 2022-06-13	Approved Certificate serial number: TS7610022-2025  Shanghai Jiao Tong University Elevator Test Center Date of issue: 2022-06-13	
Verifier: 李明	Date: 2022.6.13		
Approver: 张纪峰	Date: 2022.06.13		

**1. The Configurations and Specifications of the Sample Lift (the sample)**

Product name		Traction drive lift control cabinet		Model	NICE3000-W
Rated speed of applicable vertical lift		4.0 m/s		Rated power of applicable lift machine	55kW
Full operating pressure of applicable hydraulic power unit		/MPa		Degree of protection provided by enclosure	IP2X
Working environment		Normal indoor		Placed position	Outside well
Explosion-proof type		/		Explosion-proof degree	/
Setting of devices for emergency and test operations		YES		Setting of fireman operation mode	/
Model of automatic rescue device		/		Setting of split regenerative power device	/
Varieties of applicable lift		Traction drive passenger lift、Traction drive goods passenger lif			
Function of control of lift operations		Inspection control, emergency electric operation, Control of levelling and re-levelling with doors open priority			
Speed regulator	Model	NICE-L-C-4055F-KZ G		Type of timing	VVVF
	Rated voltage	380V		Rated power	55 kW
	Rated frequency	50/60Hz		Rated current	113A
	Manufacturer	Suzhou Inovance Technology Co., Ltd.			
Controller	Model	MCTC-MCB-C3		Control method	Collective
	Communication method	Serial communication		Max amount of floors	56
	Type of controller	Computer			
	Manufacturer	Suzhou Inovance Technology Co., Ltd.			
Electric safety device	Safety circuit	Model	MCTC-MCB-C3	Manufacturer	Suzhou Inovance Technology Co., Ltd.
		Function	Connecting device for collecting information from safety circuit		



	PESSRAL	Model	MCTC-SCB-D4	Manufacturer	Suzhou Inovance Technology Co., Ltd.
		Function			SIL level
		Detection of unintended car movement with open doors			SIL2
		Check on levelling, re-levelling and preliminary operations			SIL2

2. Check and test of the sample lift (the sample)

No.	Item Number	Test Items	Results	Conclusion
1	V6.1.1.1	Selection of main contactor	Pass	OK
2	V6.1.1.2	Selection of contactor relay	Pass	OK
3	V6.1.1.3	Requirement for contactor and contactor relay	Pass	OK
4	V6.1.1.4	Voltage	Control: DC110V Safety Circuit: AC110V	OK
5	V6.1.1.5	Layout of neutral conductor and protective conductor	Pass	OK
6	V6.1.1.6	Disposal of live terminal	Pass	OK
7	V6.1.1.7	Connector and device of the plug-in type	Pass	OK
8	V6.1.1.8	Socket outlet	Pass	OK
9	V6.1.1.9	Marking of device	Pass	OK
10	V6.2.1.1	Control requirement for vertical lift -- control of direct supply	Inapplicability	/
11	V6.2.1.2	Control requirement for vertical lift -- power supply and control through static element	Fuji SC-N6P SW	OK
12	V6.2.1.3	Control requirement for vertical lift -- drive using a "ward-leonard" system	Inapplicability	/
13	V6.2.2.1	Control requirement for vertical lift -- power supply and control of brake	Fuji SC-E02A BY	OK



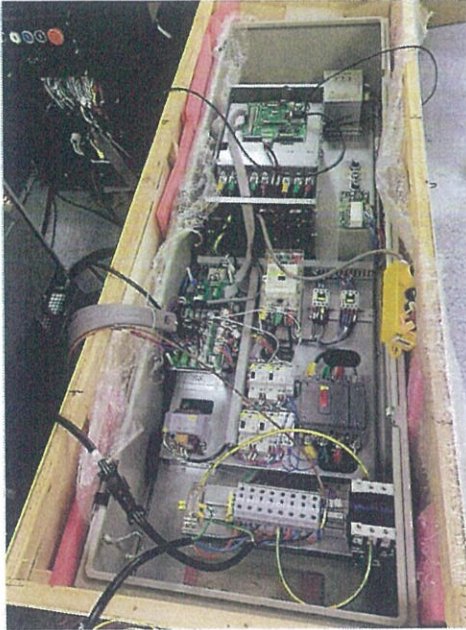
No.	Item Number	Test Items	Results	Conclusion
14	V6.2.2.2	Control requirement for vertical lift -- release circuit	Pass	OK
15	V6.2.3.1	Control requirement for vertical lift -- setting of motor run time limiter	Pass	OK
16	V6.2.3.2	Control requirement for vertical lift-- actuation time	45s	OK
17	V6.2.3.3	Control requirement for vertical lift-reset	Pass	OK
18	V6.2.3.4	Control requirement for vertical lift -- relation to other operations	Pass	OK
19	V6.2.8.11.1	Automatic rescue device -- putting into operation	Inapplicability	/
20	V6.2.8.11.2	Automatic rescue device -- diverter switch	Inapplicability	/
21	V6.2.8.11.3	Automatic rescue device -- power supply isolation	Inapplicability	/
22	V6.2.8.11.4	Automatic rescue device -- control on the lift	Inapplicability	/
23	V6.2.8.11.5	Automatic rescue device -- insulation resistance	Inapplicability	/
24	V6.2.8.11.6	Automatic rescue device -- withstand voltage	Inapplicability	/
25	V6.2.8.11.7	Automatic rescue device -- degree of protection provided by enclosure	Inapplicability	/
26	V6.2.8.11.8	Automatic rescue device -- noise	Inapplicability	/
27	V6.2.8.11.9	Automatic rescue device -- operation speed	Inapplicability	/
28	V6.2.8.12.1	Split regenerative power device -- connecting principle	Inapplicability	/
29	V6.2.8.12.2	Split regenerative power device -- separation	Inapplicability	/
30	V6.2.8.12.3	Split regenerative power device -- protection against reverse discharge	Inapplicability	/
31	V6.2.8.12.4	Split regenerative power device -- polarity reverse protection	Inapplicability	/
32	V6.2.8.12.5	Split regenerative power device -- protection against overvoltage of DC voltage	Inapplicability	/
33	V6.2.8.12.6	Split regenerative power device -- protection against short circuit	Inapplicability	/



No.	Item Number	Test Items	Results	Conclusion
34	V6.2.8.12.7	Split regenerative power device -- protection against broken circuit	Inapplicability	/
35	V6.2.8.12.8	Split regenerative power device -- insulation resistance	Inapplicability	/
36	V6.2.8.12.9	Split regenerative power device -- withstand voltage	Inapplicability	/
37	V6.2.8.12.10	Split regenerative power device -- degree of protection provided by enclosure	Inapplicability	/
38	V6.2.8.12.11	Split regenerative power device -- noise	Inapplicability	/
39	V6.2.9.1	Additional requirement for firefighters lift -- protection of control cabinet against water	Inapplicability	/
40	V6.2.9.2	Additional requirement for firefighters lift -- validity of safety protection device	Inapplicability	/
41	V6.2.9.3	Additional requirement for firefighters lift -- control permission of firefighters lift switch	Inapplicability	/
42	V6.2.9.4	Additional requirement for firefighters lift -- influence of the electrical system outside of the well on the fire service	Inapplicability	/
43	V6.2.9.5	Additional requirement for firefighters lift -- influence of electrical fault of a group of lifts	Inapplicability	/
44	V6.2.9.6	Additional requirement for firefighters lift -- overtime alarm for door opening	Inapplicability	/
45	V6.2.9.7	Additional requirement for firefighters lift -- priority recall for the firefighters lift (Phase 1)	Inapplicability	/
46	V6.2.9.8	Additional requirement for firefighters lift -- control of external recall signal	Inapplicability	/
47	V6.2.9.9	Additional requirement for firefighters lift -- use of the lift under firefighters control (Phase 2)	Inapplicability	/
48	V6.2.10	Additional electrical explosion-proof test	Inapplicability	/
49	V6.4.1	Marking of stop switch	Pass	OK
50	V6.4.2	Marking of operation	Pass	OK
51	V6.4.3.1	Data plate of control cabinet of the vertical lift	Pass	OK

Annex:

1. The picture of the sample:



2. This type test is the verification of conformance with the performance of sample in the first test and the parameters and configurations in the Type Test Certificate according to the Regulation for Type Test of Lifts (TSG T7007-2016). Only parts of items in the Table II were tested.

3. Type test report modifications
None