

# Verification of Compliance



No. EC.1282.1N131210.NOE3456

**Certificate's Holder:** Ningbo Ouling Elevator Components Co., Ltd.  
Lishutang village, DongWu town, Yinzhou district, Ningbo city, Zhejiang China

**Product:** Landing Door Locking Devices  
**Model(s):** IL-32161, IL-32161-1, OPJ307

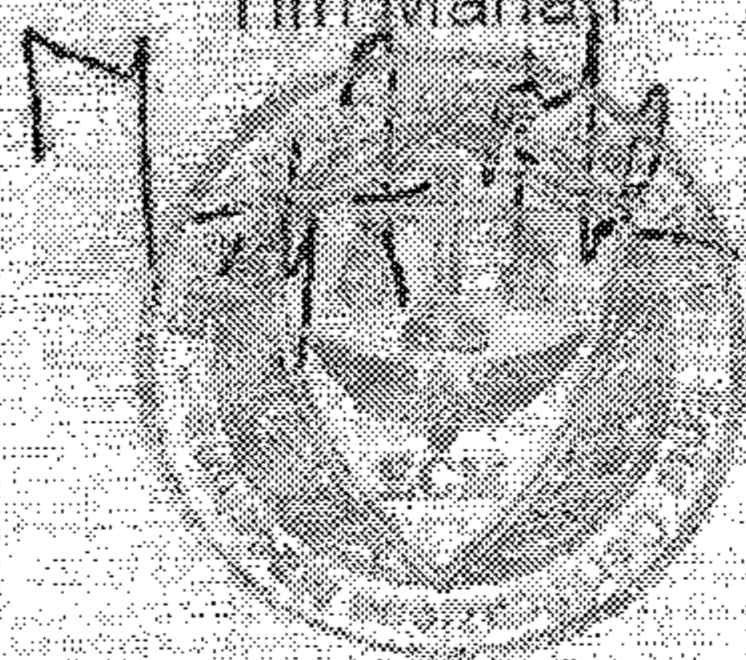
**Directives:** 95/16/EC Lifts

**Standards:** EN 81-1:1998+A3-2009, EN 81-2:1998+A3-2009

Remark: This Verification of Compliance has been issued on a voluntary basis. ECM confirms that a Technical Construction File (TCF) is existent for the above listed product(s). The TCF satisfactorily covers the essential requirements of the above listed Directive(s). Other relevant Directives have to be observed in case they are applicable. This Document is only valid for the equipment and configuration described and in conjunction with the TCF detailed above. Whereas the Manufacturer is responsible of the certification of the product(s) and not exempted to perform all the necessary activities before placing the product(s) on the market. The Manufacturer is also responsible of the internal production control to ensure the product(s) are in compliance with the essential requirements of the above mentioned Directive(s). This certificate can be checked for validity at [www.entecerma.org](http://www.entecerma.org)

Date of issue DECEMBER 2013

Certification Chief Manager  
Tim Mahan



Expiry date DECEMBER 2018

Certification Deputy Manager  
Viola Miller





EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

**EC TYPE-EXAMINATION CERTIFICATE FOR SAFETY COMPONENTS  
ACCORDING TO EUROPEAN LIFT DIRECTIVE 95/16/EC ANNEX VA (MODULE B)**

<b>Certificate Number:</b>	SCMB.0010
<b>Applicant/Certificate Holder (Name &amp; Address):</b>	Ningbo Ouling Elevator Components Co., Ltd./ Lishutang Village, Dongwu Town, Yinzhou District, Ningbo City, Zhejiang, P.R.China.
<b>Manufacturer (Name &amp; Address):</b>	Same as applicant
<b>Date of Submission:</b>	20.08.2015
<b>Test Laboratory (Name &amp; Address):</b>	Zhejiang Province Special Equipment Inspection and Research Institute /No.1191,Linding Road, Hangzhou, Zhejiang, China
<b>Date and Number of test report:</b>	15.01.2015 / TX201513400003
<b>Approved Type of locking device:</b>	Landing Door Locking Device (Intended for sliding doors)
<b>Application of locking device:</b>	Gravity Compression Spring
<b>Model of locking device:</b>	IL-32161-1
<b>Standard(s):</b>	EN 81-1/2:1998+A3:2009
<b>Type of rated voltage:</b>	AC/DC
<b>Values of rated voltage:</b>	AC230V / DC110V
<b>Type of rated current:</b>	AC/DC
<b>Values of rated current:</b>	AC0.5A / DC0.3A
<b>*Necessary force to actuate:</b>	--

*\*for flag type door locking device only*

EUROCERT SA, aforementioned notified body with identification number 1128, ascertains and certifies that above safety component satisfy the safety requirements of the European Directive 95/16/EC.

The manufacturer is authorized to provide the safety component described above with the CE Mark as displayed below:

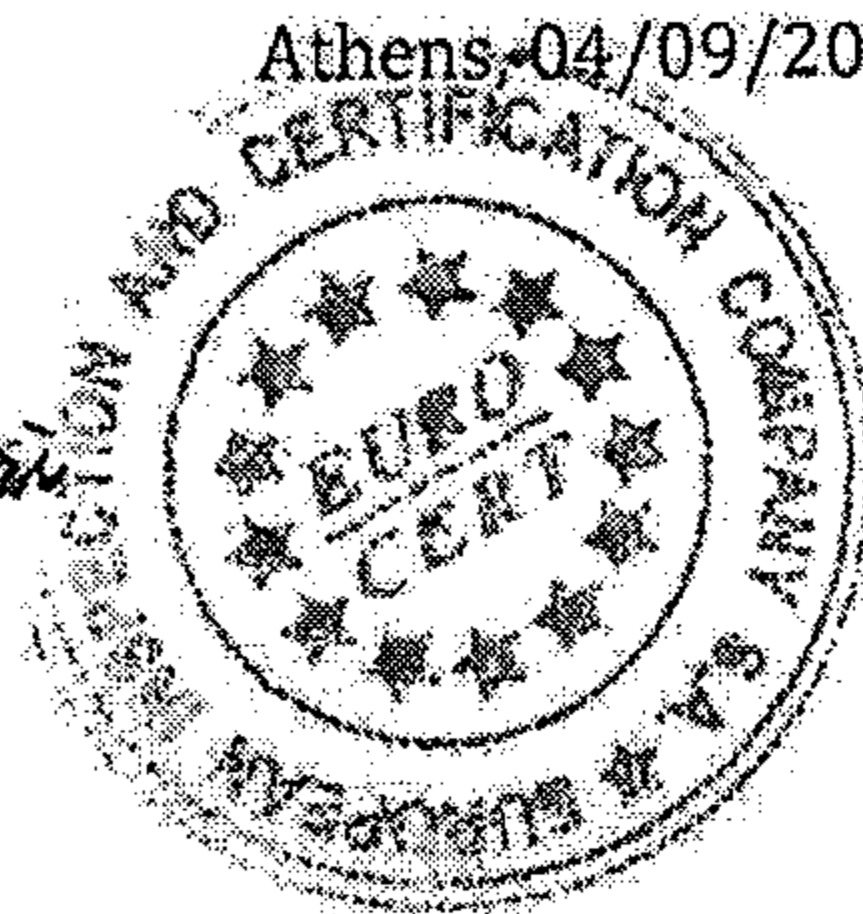
**CE 1128**

Preconditions:

It is required that the above safety equipment must always come with a declaration of conformity and the relevant instructions of use.

INSPECTOR

*Lande Bai*  
LANDE BAI



FOR EUROCERT SA

*George Nikolopoulos*  
GEORGE NIKOLOPOULOS  
Technical Director

Please check the validity of the certificate from our website using the password W7WNZKbU



Inspections

Cert No.: 53-3

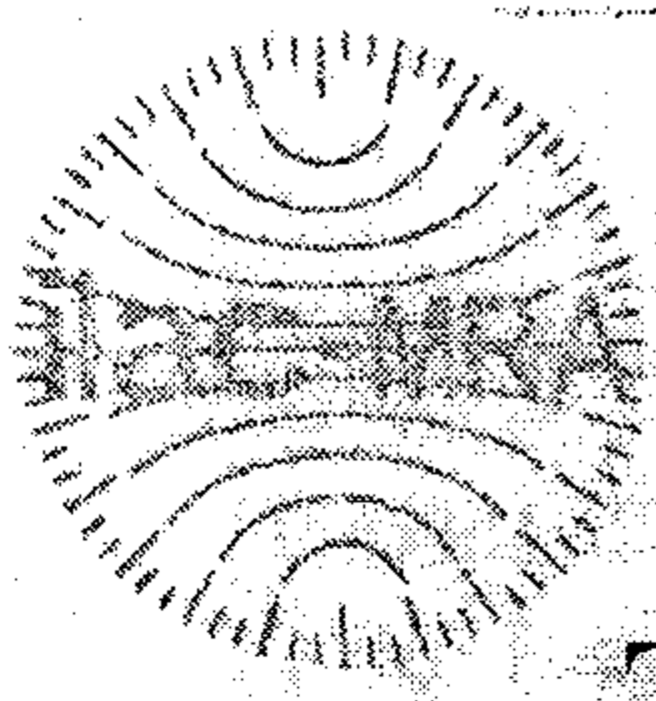
AP.13.6/E20/16-01-2014

89, CHLOIS STR. & LIKOVRISEOS, 144 52 METAMORFOSI, ATHENS, GREECE

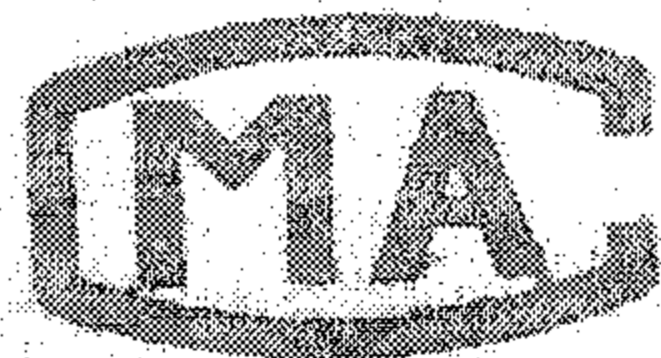
Tel.: ++30 210 62.52.495, 30 210 62.53.927 - Fax: ++30 210 62.03.018

Internet site: www.eurocert.gr - e-mail: eurocert@otenet.gr





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2014090850L



# Type Tests Certificate for Special Equipment (Lifts)

**Certificate number: TSX F34002220160069**

**Applicant:** NINGBO OULING ELEVATOR COMPONENTS CO., LTD.

**Registered address of Applicant:** Lishutang Village, Dongwu Town, Yinzhou District, Ningbo City, Zhejiang, China.

**Manufacturer:** NINGBO OULING ELEVATOR COMPONENTS CO., LTD.

**Manufacturing Address:** Lishutang Village, Dongwu Town, Yinzhou District, Ningbo City, Zhejiang, China.

**Classification:** Safety protection devices of elevator

**Varieties:** Door locking device

**product name:** Landing door interlock

**Product model:** IL-32161

**Type test report**

**number:** ETC16F340069(1)

**This product meets the requirements of Regulation for Type Test of Lifts:** (TSG T7007-2016), GB 7588-2003+XG1-2015, EN 81-20: 2014, EN 81-50:2014

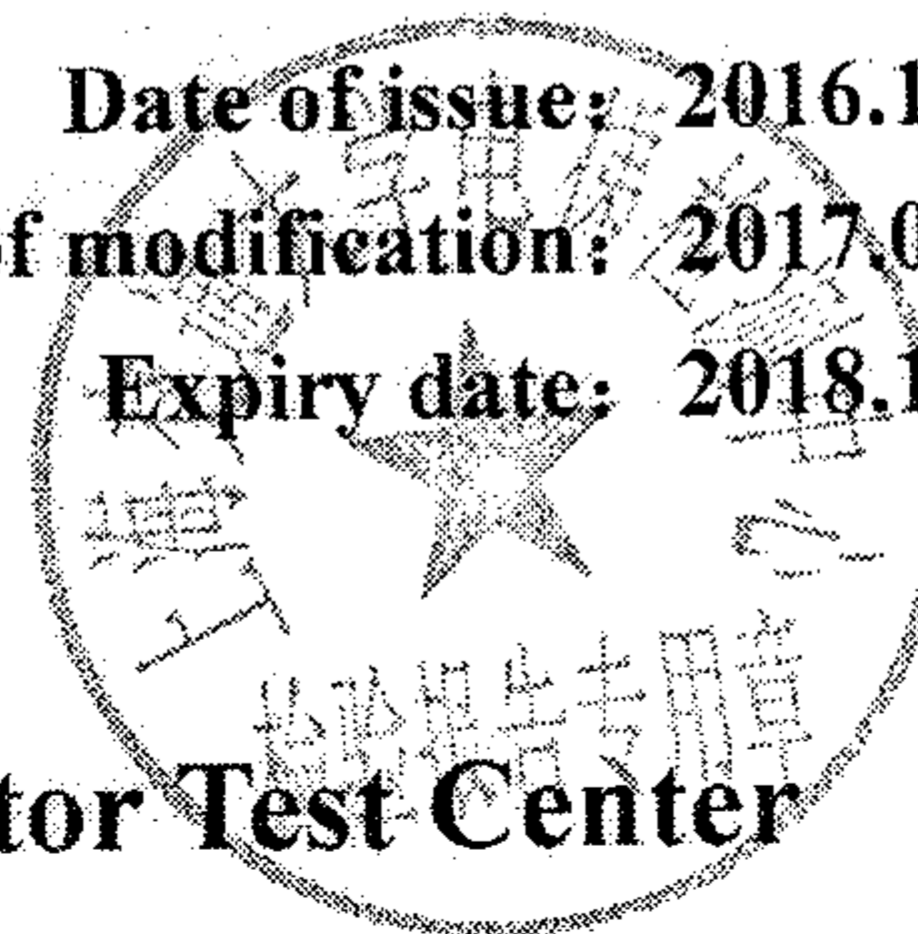
**Product models covered by this certificate:** IL-32161

**For product parameters and configuration covered by this certificate, see the table attached.**

**Date of issue:** 2016.12.21

**Date of modification:** 2017.01.09

**Expiry date:** 2018.12.21



**Shanghai Jiao Tong University Elevator Test Center**

**Note:**

1. The applicant is responsible for confirming that the products comply with the regulation and related standard specifications and are in accordance with the sample for type test.
2. The certificate is valid before the expiry date.
3. Period of validity of the certificate is always calculated from the date of issue even if the certificate is modified per request.

Attached table

No. TSX F34002220160069

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### Product Parameters and Configurations Table

<b>Product Name</b>	Landing door interlock	<b>Product model</b>	IL-32161
<b>Rated voltage</b>	≤AC230V ≤DC110V	<b>Rated current</b>	≤AC0.5A ≤DC0.3A
<b>Structural Shape</b>	Downward-hook	<b>Locking method</b>	Weight and Compress spring
<b>Circuit Type</b>	AC/DC	<b>Protection Class</b>	IP1x
<b>Explosion-proof type</b>	/	<b>Working environment</b>	Indoor

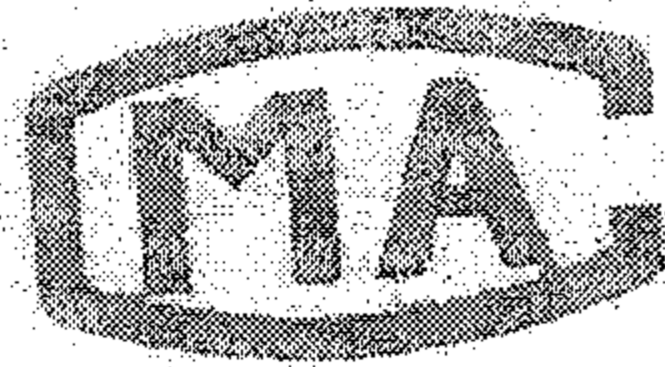
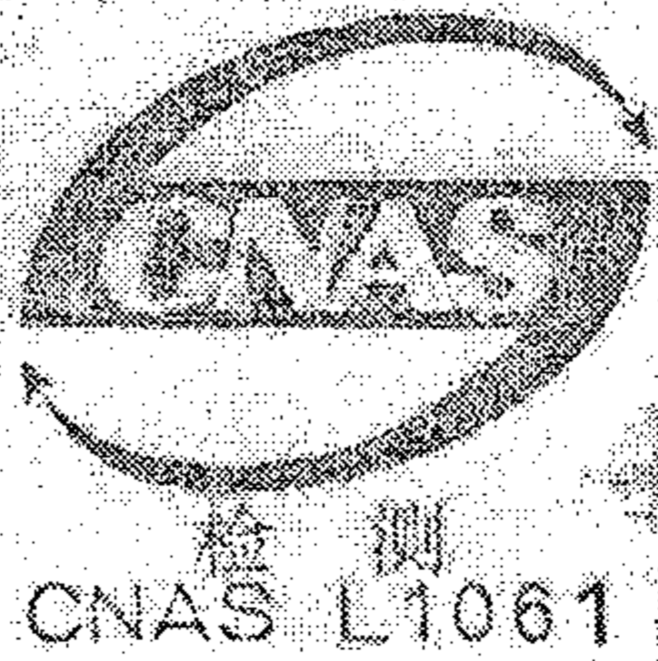
Notes to table attached:

1. Whenever any parameter or configuration listed in the attached table varies, this certificate is void and the type test must be redone again accordingly.

2. Type test certificate modifications:

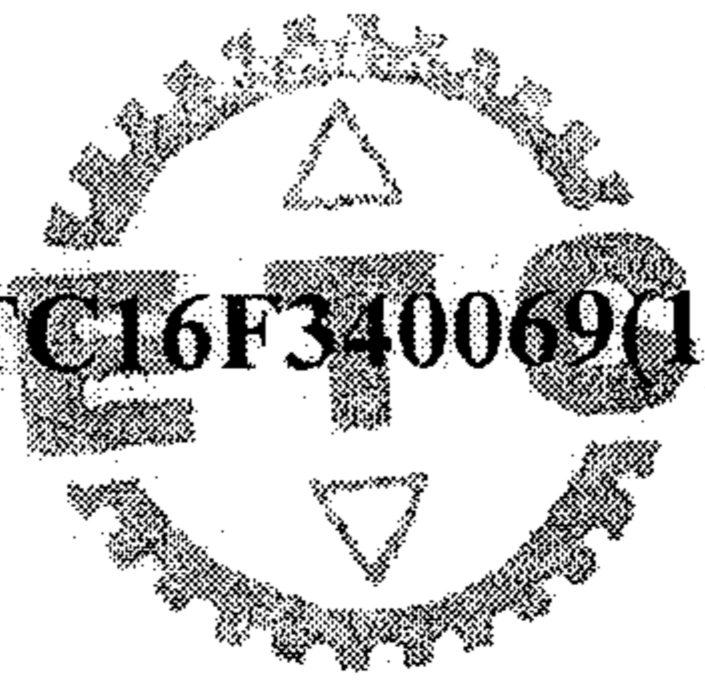
Type Test certificate Changes Table

Number	Item	Before the change	After the change	Change the date
1	Sample Type	IL32161	IL-32161	2017.01.09



2014090850L

No. ETC16F340069(1)



# Special Equipment Type-Tests Report

(Lifts)

**Classification** Safety protection devices of elevator

**Varieties** Door locking device

**Product Name** Landing door interlock

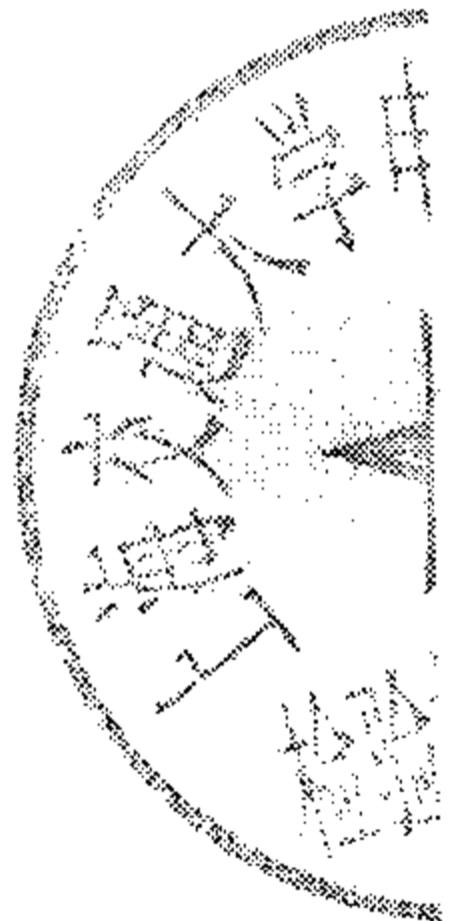
**Product Model** IL-32161

**Applicant** NINGBO OULING ELEVATOR COMPONENTS CO., LTD.

**Manufacturer** NINGBO OULING ELEVATOR COMPONENTS CO., LTD.

**Category of test** First Test

**Test Date** 2016.12.01~2016.12.16



**Shanghai Jiao Tong University  
Elevator Test Center**



## NOTICE

1. The report is the result of the type test according to the 'Regulation for type test of elevators' (TSG T7007-2016).
2. The report is printed by computer and will be invalid with any modification.
3. The report will be invalid without the signature of approve, verify and compile person. It will also be invalid without the certification number, the official and cross-page stamp of the testing unit.
4. In the entrusted test, we are only responsible for the sample.
5. It is forbidden to copy the report partly without the permission of the testing unit. The partly copied report will be invalid.
6. Any dissent to the report must be put forward to the testing unit within 15 working days from receiving it, otherwise, it is considered that you have accepted the report.
7. The sample will not be handed back because of normal wear, the others will be dealt with according to the regulation concerned.
8. One of the quadruplicated reports is saved by the testing unit, the other three are saved by the applicant.
9. Information for contacting to the testing unit:  
Shanghai Jiao Tong University Elevator Test Center  
Room 210, No. B of Advanced manufacture Building, School of  
Mechanical Engineering, No.800 of Dongchuan Road, Shanghai, P.R.  
China  
Tel: 86-21-34207035/34207036  
Fax: 86-21-34207035/34207036-814

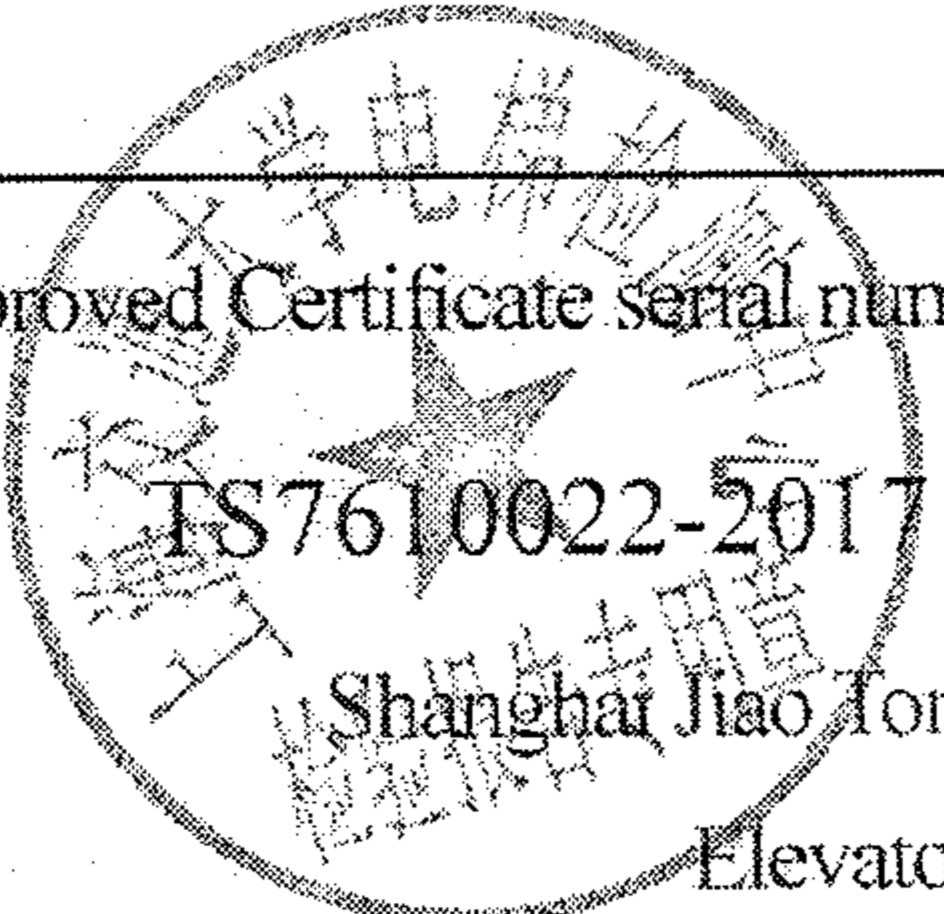


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## Type Tests Report

No: ETC16F340069 (1)

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Classification	Safety protection devices of elevator	Varieties	Door locking device
Product Name	Landing door interlock		
Product model	IL-32161		
Product Number	/	Date of manufacturing	2016.11.09
Applicable product models	/		
Applicant	NINGBO OULING ELEVATOR COMPONENTS CO., LTD.		
Registered address of Applicant	Lishutang Village, Dongwu Town, Yinzhou District, Ningbo City, Zhejiang, China.		
Manufacturer	NINGBO OULING ELEVATOR COMPONENTS CO., LTD.		
Registered address of Manufacturer	Lishutang Village, Dongwu Town, Yinzhou District, Ningbo City, Zhejiang, China.		
Manufacturing Address	Lishutang Village, Dongwu Town, Yinzhou District, Ningbo City, Zhejiang, China.		
Location of test	Shanghai Jiao Tong University Elevator Test Center		
Status of sample	OK	Test date	2016.12.01~2016.12.16
Test Conditions	OK	Category of test	First Test
Codes or rules compliant	(TSG T7007-2016), GB 7588-2003+XG1-2015, EN 81-20: 2014, EN 81-50:2014		
Test Conclusion	Passed		
Experimenter: <u>王超杰</u>	Date: <u>2017.01.09</u>	 Approved Certificate serial number: <b>TS7610022-2017</b> Shanghai Jiao Tong University Elevator Test Center Date of issue: 2016.12.21 Date of modification: 2017.01.09	
Verifier: <u>马明</u>	Date: <u>2017.01.09</u>		
Approver: <u>张雨</u>	Date: <u>2017.01.09</u>		

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## I. Main technical parameters and configurations

Rated voltage (V)	AC230V/DC110V	Rated current (A)	AC0.5A/DC0.3A
Structural Shape	Downward-hook	Locking method	Weight and Compress spring
Circuit Type	AC/DC	Protection Class (IP)	IP1x
Explosion-proof type	/	Working environment	Indoor

## II. Reviews for technical documents of the sample

No	Item Number	Review Item	Result	Conclusion
1	P5.1	Qualification certificate and instruction manual	pass	Qualified
2	P5.2	structural parameters and Technical data	pass	Qualified
3	P5.3	Relevant technical information	pass	Qualified
4	/	Other necessary information	pass	Qualified

## III. Examines and tests of the sample

No.	Item Number	Review Item	Result	Conclusion
1	P6.2.1	Inspecting the action to keep the locking device locked.	Pass	Qualified
2	P6.2.2	The locking parts and its accessories should have impact strength. They should be made of or be fastened by metal.	Pass	Qualified
3	P6.2.3	Inspecting the electrical safety device for meshes of the locking devices	Pass	Qualified
4	P6.2.4	Inspecting the protection of Locking device	Pass	Qualified
5	P6.3	Mechanical endurance test (one million times)	Pass	Qualified
6	P6.4	Mechanical static test (a total period of 300s of a static force to a value of 1000 N)	Pass	Qualified
7	P6.5	Mechanical dynamic test	Pass	Qualified
8	P6.6	Electrical endurance test (one million times)	Pass	Qualified
9	P6.7.1	Switching on and off test for electrical contact point	Pass	Qualified
10	P6.7.2	Test of ability to break AC circuit	Pass	Qualified
	P6.7.3	Test of ability to break DC circuit	Pass	Qualified

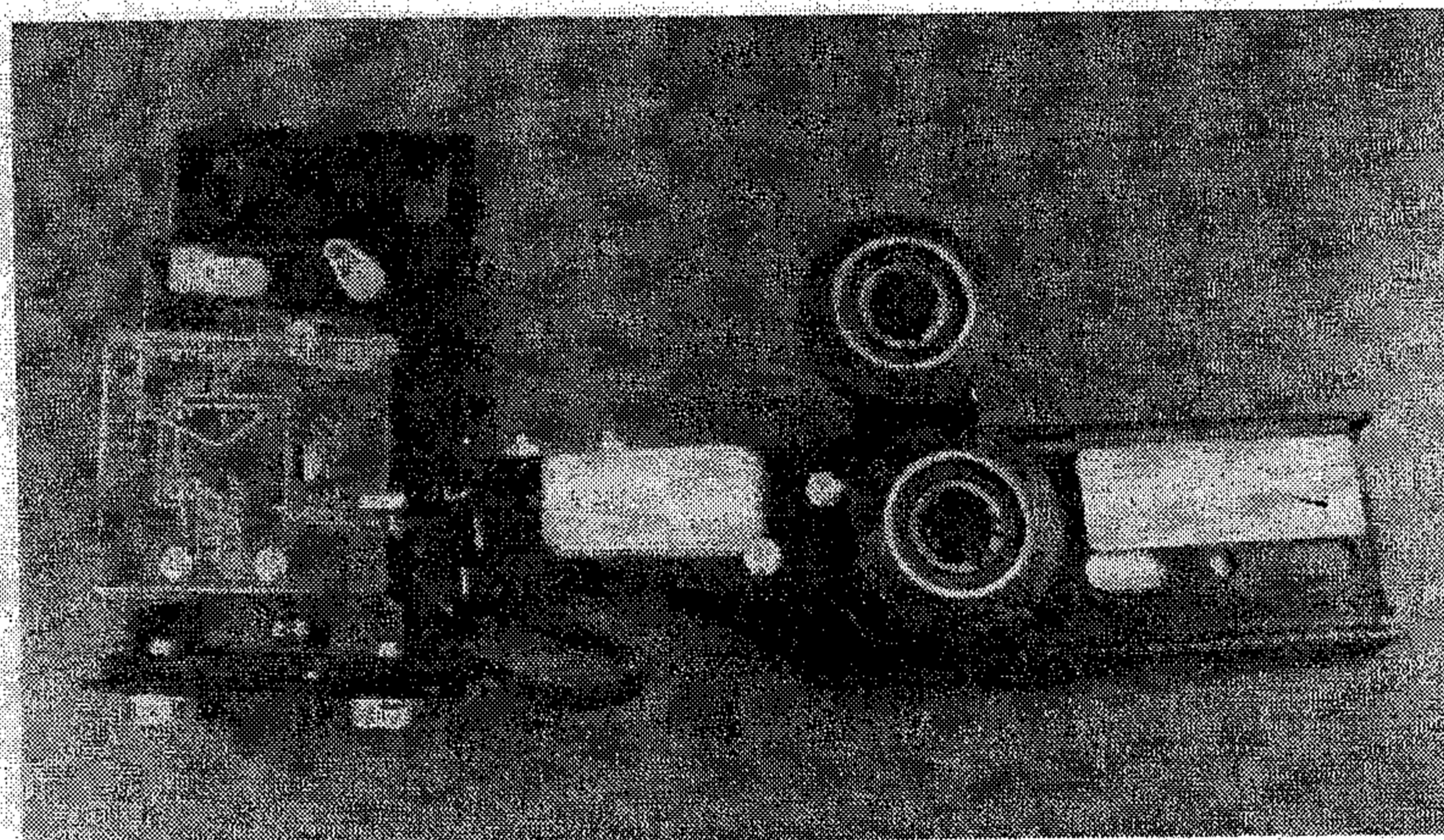
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No.	Item Number	Review Item	Result	Conclusion
11	P6.8	Creepage resistance test	Pass	Qualified
12	P6.9	Inspecting the electrical gap and the creepage distance	5mm, 5mm	Qualified
13	P6.10.1	Inspecting horizontal or vertical sliding door locking device composed of several doors that are connected directly or indirectly.	Inapplicability	/
14	P6.10.2	Tongue block type door lock device for hinge door	Inapplicability	/
15	-	Special protective measures when applied in explosion-proof elevator	Inapplicability	/

**Annex:**

1. Photograph of the sample:



2. Type test report modifications:

Type Tests report Changes Table

Number	Item	Before the change	After the change	Change the date
1	Sample Type	IL32161	IL-32161	2017.01.09