

CERTIFICATE

EU Type – Examination

According to Directive 2014/33/EU, (Module B, annex IV)

Certificate No: LF/KSA/A-C-0216/19

Identification No of Certification body:

MIRTEC s.a  0437

Name & Address
of the Certificate Holder:

SHENYANG BLUELIGHT AUTOMATIC TECHNOLOGY CO.,
LTD./ NO.37 SHIJI ROAD,HUNNAN NEW DISTRICT,SHENYANG,CHINA

Name & Address
of the Manufacturer:

SHENYANG BLUELIGHT AUTOMATIC TECHNOLOGY CO.,
LTD./NO.99 CHUANGXIN 1ST ROAD, HUNNAN NEW DISTRICT, SHENYANG,
CHINA

Date of Submission for
EU Type-Examination:

06/12/2019

Product of Safety Component:

**Main control board with safety circuits containing electronic
components and self-monitoring subsystem of unintended car
movement protection means (UCMP)**

Type:

MU_V61

EU-Directive/ Applicable Norms:

2014/33/EU, annex I,
EN81-50:2014 5.6, 5.8
EN81-20:2014 5.6.7, 5.9.2.2.2

Examination Period:

December 2019

Date & No of examination report:

LF/KSA/A-R-0216/19, 12/12/2019

Test Laboratory

Shanghai Jiaotong University Elevator Test Center and Shenyang
Bluelight Automatic Technology Co., Ltd-NO.99 CHUANGXIN 1ST ROAD,
HUNNAN NEW DISTRICT, SHENYANG, CHINA

No & Date of laboratory Report:

ETC17F360131, 03/11/2017, LF/KSA/A-TR-0216/19, 12/12/2019.

Documents annexed:

Drawings & installation instructions

Field of application:

Annex I

Validation conditions / Additional instructions:

The production of the safety circuits containing electronic components and unintended car movement protection means falls under random inspections from the certification body.

For all changes on the materials, drawings and production-assembly methods the certificate holder must inform the certification body.

The Manufacturer issues a declaration of conformity according to the basic requirements of the relative directive and places the CE marking with his own responsibility. The product must be accompanied by installation & maintenance instructions adjustment.

The unintended car movement protection means should have a label with the necessary information (name of manufacturer, type examination certificate number, field of application, serial number, date etc)

Result of the examination - Declaration:

Herewith we certify that the type of the product mentioned above, meets the basic requirements of the relevant Norms for the mentioned Field of application.

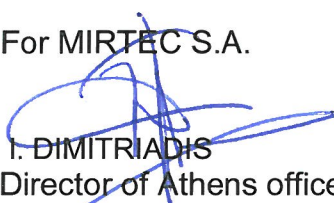
Only the products detailed in the test report have been subjected to tests.

Date of issue:

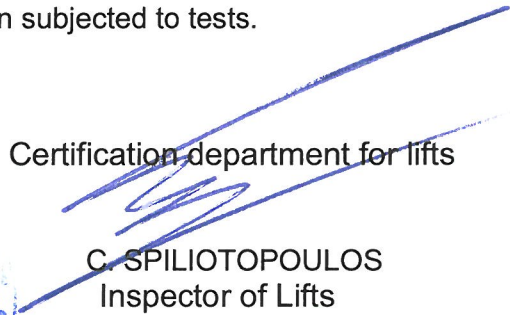
20.12.2019

For MIRTEC S.A.

Certification department for lifts


I. DIMITRIADIS

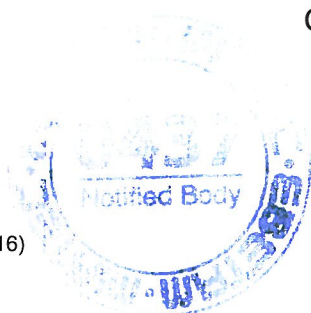
Director of Athens office


C. SPILIOTOPOULOS
Inspector of Lifts

EBETAM A.E.

CERT - safecomp / EN 02 (5.0 / 24.10.2016)

AET: 34176



ANNEX 1

Part of the Type examination LF/KSA/A-C-0216/19

Description of lift component

- Main control board MU_V61 with safety circuits containing electronic components.
- Main control board MU_V61 as self-monitoring subsystem of unintended car movement protection means (UCMP).
- Working requirements

Power supply:	DC5V, DC24V, DC110V, AC110V, AC220V
Temperature:	0 °C to + 65 °C
Humidity:	≤ 95%, non-condensing
Altitude:	no more than 2000 m
Pollution degree according to the IEC 60664-1:	3
- Construction pattern:
 1. Main control board+ monitoring switch
 2. Main control board+ frequency inverter + encoder
 3. Main control board+ monitoring switch + frequency inverter + encoder
- Mode of UCMP self-monitoring subsystem:
 1. This device is used to only verify the correct lifting (or releasing) of mechanical devices.
 2. This device is used to only verify the braking force and the monitoring period is not more than 24 hours.
 3. This device is used to verify the correct lifting (or releasing) of mechanical devices and detect the braking force during periodic maintenance. The detecting period is not more than 15 days.
- Mounting requirements:

Keep away from direct sunlight, dust, corrosive / explosive gases, oil fog, vapor, water dripping.
- Two monitoring switches installed on the two brakes to verify the situation of the brake if it is open or close and monitoring the correct lifting or dropping of the mechanism or the braking force. If a failure detected the lift is going out of order and after that the release or reset of the lift requires the intervention of a competent person.

Components of UCM self-monitoring subsystem:

- Main control board with same design
MU_V61, BMU_V61, MU_V51, FR_V51, FJ-MB6, YRC6000, MC-V6, BL2000-STB, BL3000-STB, FR2000-STB, FR3000-STB, BL2000-BHT, BL2000-BKT, FC-M01-V2, ECS-ED5000.V6, ECS-MC3000, ECS-MC2000, SANYO-C-01, SANYO-C2, SM6400, SECE3000A, ASIAFUJICLSYS-H515, ALP2000, FJ-MB2 VER9, FA0211, FA0211-C3, FA0211-C6, FHJI5000, FujiElevatorFUJI2000, KY-ZMC-B9, MEC3000-STB, XW2000-STB, ALP3000, ECS-BL3000-STB, ES2000-MC-V9, EMISON3000-STB, FUJI-FA0211, FujiElevatorFUJI3000, FA3000FrenchAircar, NK3000-STB, SEC3000-STB, SY-3000, SANY-3000, SLDZ-3000, STDV3-C, LME66, RH5000, LHRHINE_LIFT_RH5000, SM-YK, FJ-MPU-V4.0, LME68
- Frequency inverter BL6, BL3
- Monitoring unit:

Monitoring switch: type unlimited.

Encoder: type unlimited.

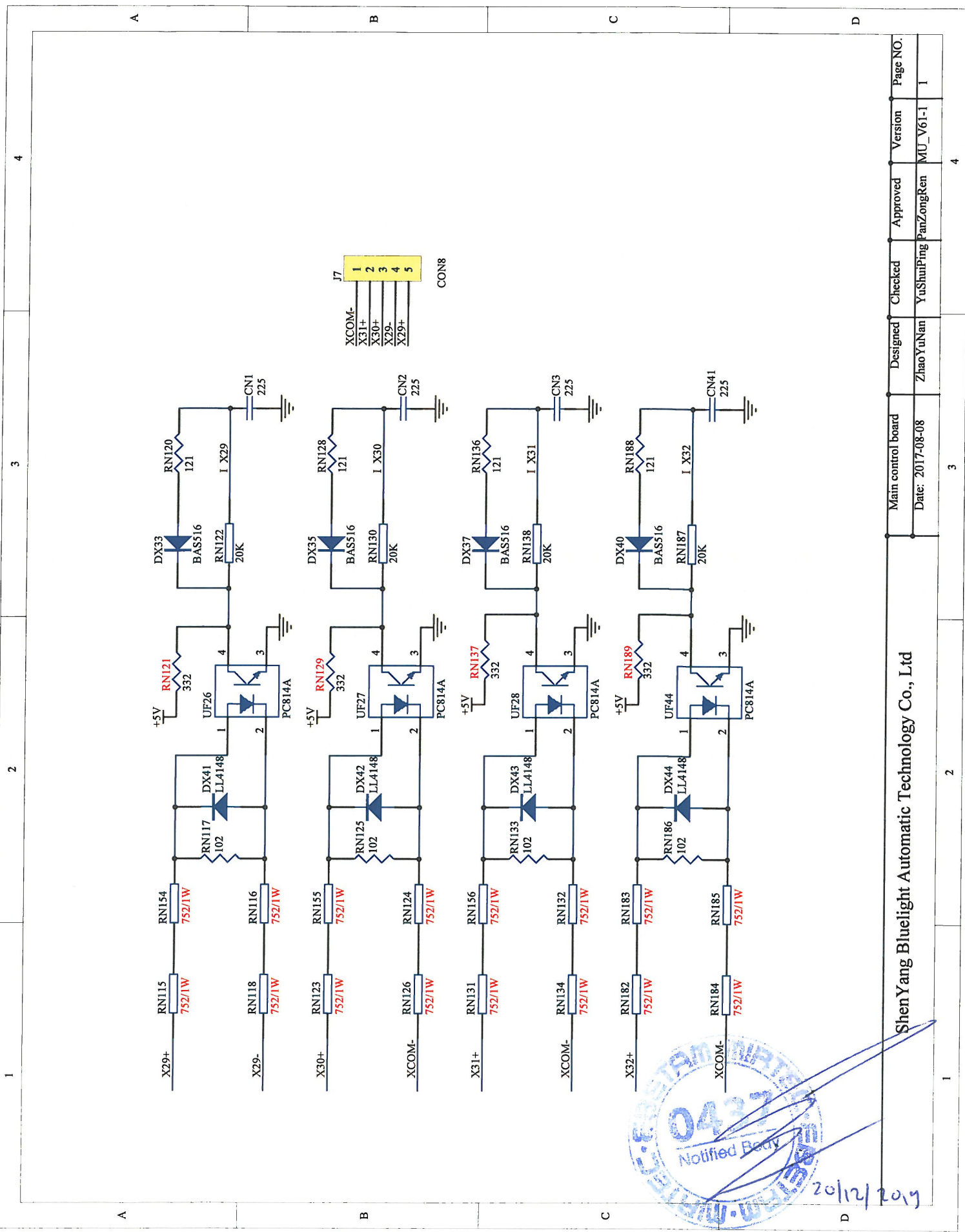
Conditions

- The safety components mentioned above are main control board with safety circuits containing electronic components which is also subjected to their type examination accordance with EN81-50:2014 5.6.
- The safety components mentioned above are a part of a system of protection against unintended car movement. In combination with a braking element and detecting element which is also subjected to their type examination, and only then, fulfill the requirements in accordance with EN81-50:2014 5.8, EN81-20:2014 5.6.7.

Certification Dept. EBETAM

C. SPILIOPOULOS





Shen Yang BlueLight Automatic Technology Co., Ltd

Main control board
Date: 2017-08-08

Designed
Zhao YuNan

Checked
YuShuiPing

Approved
PanZongRen

Version
MU_V61-1

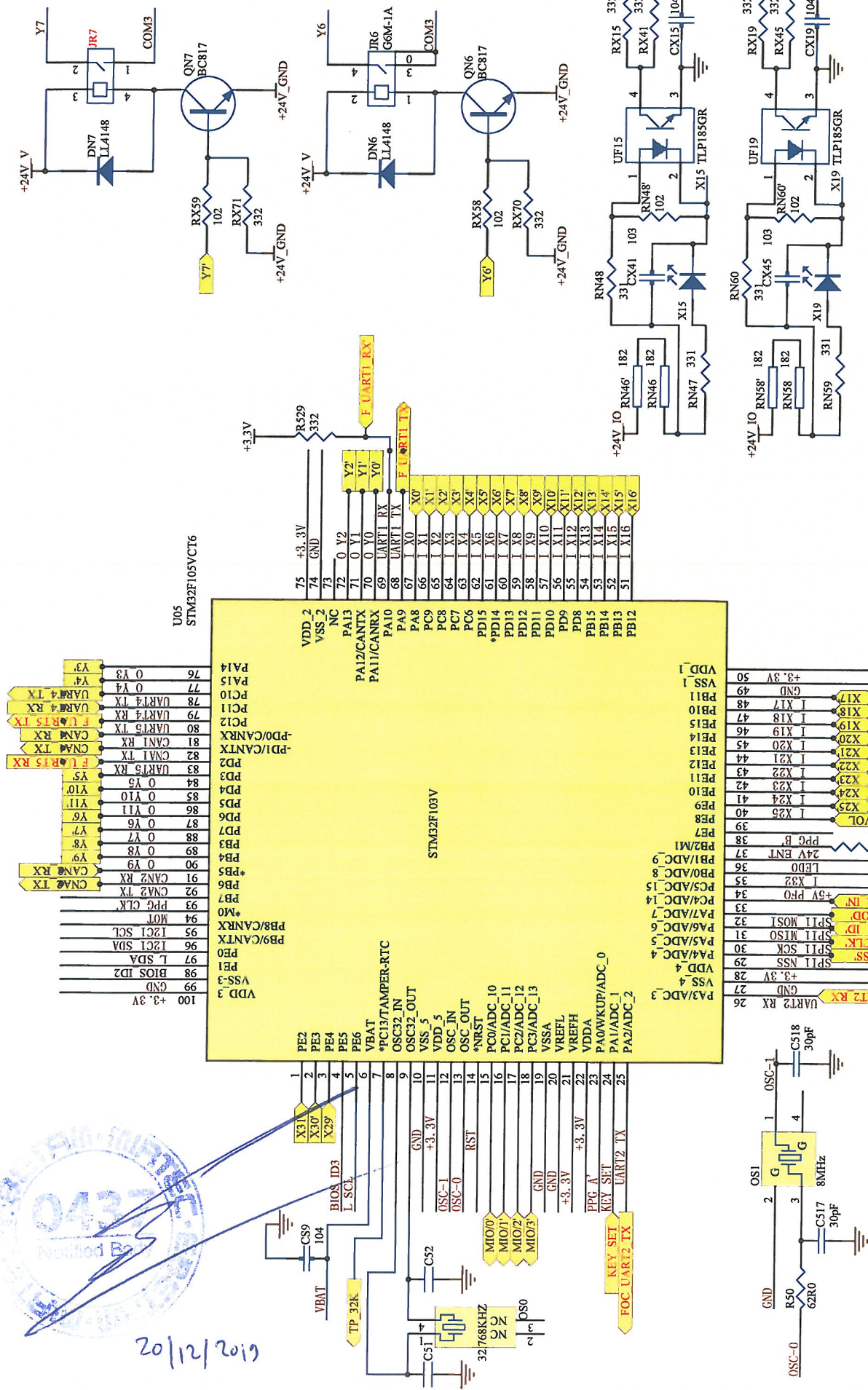
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1



20/12/2017



2012/2019



ShenYang Bluelight Automatic Technology Co., Ltd

Main control board	Designed	Checked	Approved	Version	Page NO.
Date: 2017-08-08	Zhao Yunan	YunShuiPing	PanZongKen	MU_V61-1	2

