



EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

**EU TYPE-EXAMINATION CERTIFICATE FOR SAFETY COMPONENTS  
ACCORDING TO EUROPEAN LIFT DIRECTIVE 2014/33/EU ANNEX IV (MODULE B)**

<b>Certificate Number:</b>	SCMB.0142
<b>Certificate Expiry Date:</b>	16/05/2028
<b>Applicant/Certificate Holder (Name &amp; Address):</b>	Zhejiang MATO Drive Equipment CO., LTD. / No. 2688 Nianfeng West Road, Nanxun Town, Huzhou City, Zhejiang Province, China
<b>Manufacturer (Name &amp; Address):</b>	Same as applicant
<b>Date of Submission:</b>	14/05/2018
<b>Test Laboratory (Name &amp; Address):</b>	Shanghai Jiao Tong University Elevator Test Center/No. B of Advanced Manufacture Building, School of Mechanical Engineering, No. 800 Dongchuan Road Shanghai, P.R. China
<b>Date and Number of test report:</b>	11/05/2017 No. ETC17F350097 23/04/2018 No. ETC18F350026
<b>Approved Type of ascending car overspeed protection means:</b>	Braking Device as part of the Lift Ascending Car Overspeed Protection Means
<b>Application of ascending car overspeed protection means:</b>	Acting on the outside surface of the motor rotor, as part of the protection device against overspeed of the car moving in upwards direction
<b>Models:</b>	MEKB(2x710), MEKB(2x850)
<b>Drawing Number (attached to this certificate):</b>	MTA20236F, MTA20236J
<b>Standard(s):</b>	EN81-50:2014
<b>Reference Standard(s)</b>	EN 81-20:2014

EUROCERT SA, aforementioned notified body with identification number 1128, ascertains and certifies that above safety component satisfy the safety requirements of the European Directive 2014/33/EU.

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.

Athens, 17/05/2018

INSPECTOR

*Chad Wang*

CHAD WANG



FOR EUROCERT SA

*Konstantinos Psychogios*  
Konstantinos Psychogios  
Construction Products and Laboratories  
Manager

Please check the validity of the certificate from our website using the password **aF5hJA6X**



Inspections  
Cert No.: 53

89, CHLOIS STR. & LIKOVRISEOS, 144 52 METAMORFOSI, ATHENS, GREECE  
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ANNEX A TO CERTIFICATE SCMB.0142

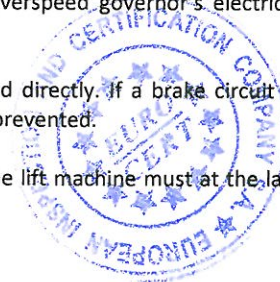
TECHNICAL DESCRIPTION

<b>Product Name/ Product Type / Model</b>	:	BRAKING ELEMENT AS PART OF THE ASCENDING CAR OVERSPEED PROTECTION MEANS / MEKB(2x710), MEKB(2x850)	
<b>Type of Application</b>	:	Braking Device acting on the outside surface of the motor rotor	
<b>Model</b>	:	MEKB(2x710)	MEKB(2x850)
<b>Permissible system total mass (empty car mass + counterweight e.t.c.)</b>	:	1350 - 3600(Kg)	1350 - 3600(Kg)
<b>Permissible car mass</b>	:	550 - 1500 (Kg)	550 - 1500 (Kg)
<b>Permissible rated load with suspension ratio of 2:1</b>	:	320 -1050 (Kg)	320 -1050 (Kg)
<b>Range of balance coefficient</b>	:	0.40 – 0.50	0.40 – 0.50
<b>Tripping speed range of overspeed governor</b>	:	≤3.55 (m/sec)	≤3.55 (m/sec)
<b>Rated speed range of elevator</b>	:	≤2.5(m/sec)	≤2.5(m/sec)
<b>Diameter of break wheel</b>	:	500(mm)	500(mm)
<b>Every Safety Component must be labeled with the following information</b>	:	Manufacturer's Name Safety Components Type	

**Conditions**

:

- 1) Since the brake device represents only a part of the protection device against overspeed for the car moving in upwards direction an overspeed governor as per EN 81-20, paragraph 5.6.2.2.1 must be used to monitor the upward speed as well as the downwards speed and the brake device must be triggered (engaged) via the overspeed governor's electric safety device.
- 2) The mechanical movement of each brake circuit is to be monitored separately and directly. If a brake circuit fails to engage (close) while the lift machine is at standstill, next movement of the lift must be prevented.
- 3) In cases where the lift machine moves despite the brake being engaged (closed), the lift machine must at the latest be stopped and the next movement of the lift must be prevented.



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ANNEX B TO CERTIFICATE SCMB.0142

TECHNICAL DRAWINGS

MEKB(2x710)

REV	DESCRIPTION	DATE
01	01	01

Skills requirement:  
1. Protect the surface during assembly to avoid scratching.

Model	数量	零件号	零件名称	单位	材料	备注
MTA20736T			制动蹄		HTA20736T	
			牵引弹簧		HTA20736T	

product ID number: HTA20736T	1	2
Remarks	2495	
Serial number		
product name		
product ID number		
Qty		
1	1	1
2	2	2
3	1	1
4	2	2
5	4	4
6	2	2
7	1	1
8	2	2
9	1	1
10	2	2
11	1	1
12	10	10



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TECHNICAL DRAWINGS

MEKB(2x850)

RWA	±0.3	±0.4	±0.31	±0.12	±0.13	±0.14	±0.15	±0.16	±0.17	±0.18	±0.19	±0.20	±0.21	±0.22	±0.23	±0.24	±0.25	±0.26	±0.27	±0.28	±0.29	±0.30	±0.31	±0.32	±0.33	±0.34	±0.35	±0.36	±0.37	±0.38	±0.39	±0.40	±0.41	±0.42	±0.43	±0.44	±0.45	±0.46	±0.47	±0.48	±0.49	±0.50
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Skills requirement

1. Protect the surface during assembly to avoid scratching

Serial number	product name	product ID	Qty
1	Roller ball assembly	HTASB1A3	4
2	Armature rod	HTASB1B2	1
3	Hexagon socket	GB/T7140/ISO	2
4	Head cap screw	GB/T7140/ISO	2
5	Flat washer	GB/T7140/ISO	2
6	Microswitch module	HTASB1D1	1
7	Locks handle	HTASB1B1	1
8	Spring	HTASB1J1	1
9	Flat cushion	GB/T7140/ISO	1
10	Nut	GB/T7140/ISO	2
11	Bit	HTASB1H1	1
12	Washer	GB/T7140/ISO	1
13	Iron core with coil	HTASB1K1	1
14	Switchgear assembly	HTASB1A1	1
15	Single head copper pillar	MVA13A2	2
16	Elastic cylindrical pin	GB/T7140/ISO	2
17	Brake spring	HTASB1I1	4

Product ID number: HTA202351	Serial number	Product name	Product ID	Qty
HTA202351				

Design	Check	Approval	Signature	Date

Customer	Address	City	Country	Phone
Zejiang Nelo Drive Equipment Co., Ltd				



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