



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>	<b>K2Kone</b> 144-1, GASEOK-RO, SEO-GU, INCHEON REPUBLIC OF KOREA Email: info@k2kone.net, sales@k2kone.net
<b>Manufacturer (Name &amp; Address):</b>	Zhejiang MATO Drive Equipment CO., LTD. / No. 2688 Nianfeng West Road, Nanxun Town, Huzhou City, Zhejiang Province, China
<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



FOR EUROCERT SA

Konstantinos Psychogios  
Construction Products and Laboratories  
Manager



Inspections  
Cert No.: 53

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

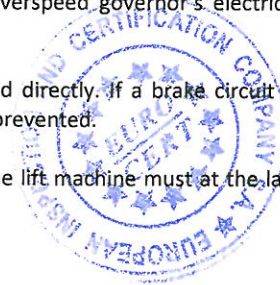
TECHNICAL DESCRIPTION

<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)

AKM	±0.03	±0.04	±0.05	±0.06	±0.07	±0.08	±0.09	±0.10	±0.11	±0.12	±0.13	±0.14	±0.15	±0.16	±0.17	±0.18	±0.19	±0.20
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Skills requirement:  
1. Protect the surface during assembly to avoid scratching.

AKM	±0.03	±0.04	±0.05	±0.06	±0.07	±0.08	±0.09	±0.10	±0.11	±0.12	±0.13	±0.14	±0.15	±0.16	±0.17	±0.18	±0.19	±0.20
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product ID number: MTA20236F		Remarks	
Serial number	product name	product ID number	Qty
1	Loose handle	MTA20236F	1
2	Cross slotted head screws/HTA1300B1	HTA1300B1	2
3	Switchgear assembly	HTA3600C1	1
4	Cross slotted head screws/HTA1300B1	HTA1300B1	2
5	Insulator assembly	HTA3500A1	4
6	Armature module	HTA3500B1	1
7	Microwitch module	HTA300B2	1
8	Nut	BB/15172/JMK	2
9	Washer	GB/7192/16	1
10	Flat washer	GB/752/16	2
11	Iron core with coil	HTA300A1	1
12	Brake spring	HTA300A2	1

MTA20236F	KZKome
B C K E	144-1, BASSEK-RO, SEB, SUI
陸技社	INCHEON, REPUBLIC OF KOREA
陸技社	



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TECHNICAL DRAWINGS

MEKB(2x850)

RWA	653	34	4-31	38-10	38-44	443-104	380-300	210-410	R7	15-3	34	4-31	38
	±0,1	±0,1	±0,1	±0,3	±0,5	±0,8	±0,2	±1	±1	±0,2	±0,1	±1	±1

Skills requirement:

1. Protect the surface during assembly to avoid scratching

Product ID number: MTAK2351			
Serial number	product name	product ID	Qty
1	Halter belt assembly	MTAK51A3	4 4
2	Armature module	MTAK51B2	1 1
3	Hexagon socket	G/17/14/12	2 2
4	Hex cap screw	G/17/14/12	2 2
5	Flat washer	GA/17/14/12	2 2
6	Microswitch module	MTAK10D1	1 -
7	Loose handle	MTAK51B1	1 1
8	Spring	MTAK51B1	1 1
9	Flat cushion	GA/17/12	1 1
10	Nut	GA/17/12/14/16	2 2
11	Bit	MTAK51B1	1 1
12	Washer	GA/17/12/14	1 1
13	Iron core with coil	MTAK51A1	1 1
14	Switchgear assembly	MTAK51A1	1 1
15	Single head copper pillar	MTAK51A2	2 2
16	Elastic chinicker pin	GA/17/12/14/16	2 2
17	Brake spring	MTAK51B1	4 4



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**ESYD**  
 Inspections  
 Cert No.: 53

