



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)**

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

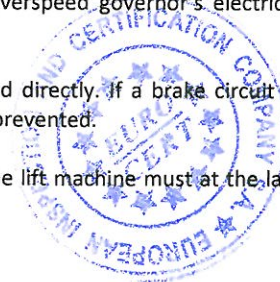
TECHNICAL DESCRIPTION

Product Name/ Product Type / Model	:	BRAKING ELEMENT AS PART OF THE ASCENDING CAR OVERSPEED PROTECTION MEANS / MEKB(2x710), MEKB(2x850)	
Type of Application	:	Braking Device acting on the outside surface of the motor rotor	
Model	:	MEKB(2x710)	MEKB(2x850)
Permissible system total mass (empty car mass + counterweight e.t.c.)	:	1350 - 3600(Kg)	1350 - 3600(Kg)
Permissible car mass	:	550 - 1500 (Kg)	550 - 1500 (Kg)
Permissible rated load with suspension ratio of 2:1	:	320 -1050 (Kg)	320 -1050 (Kg)
Range of balance coefficient	:	0.40 – 0.50	0.40 – 0.50
Tripping speed range of overspeed governor	:	≤3.55 (m/sec)	≤3.55 (m/sec)
Rated speed range of elevator	:	≤2.5(m/sec)	≤2.5(m/sec)
Diameter of break wheel	:	500(mm)	500(mm)
Every Safety Component must be labeled with the following information	:	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	INITIAL DRAWING	15/03/2011
02	REVISION	15/03/2011
03	REVISION	15/03/2011
04	REVISION	15/03/2011
05	REVISION	15/03/2011
06	REVISION	15/03/2011
07	REVISION	15/03/2011
08	REVISION	15/03/2011
09	REVISION	15/03/2011
10	REVISION	15/03/2011
11	REVISION	15/03/2011
12	REVISION	15/03/2011

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

Model	数量	型号	数量	型号	数量	型号	数量
零件	数量	零件	数量	零件	数量	零件	数量

Product ID number: MTA20236F	1	2		
Remarks	2495			
Serial number				
product name				
product ID				
Qty				
1	Loose handle	MTA25001	1	1
2	Cross slotted head screws/br/L/M/2x2	MTA25001	2	2
3	Switchgear assembly	MTA26001	1	1
4	Cross slotted head screws/br/L/M/2x2	MTA26001	2	2
5	Ball joint assembly	MTA25001	4	4
6	Armature module	MTA25001	1	1
7	Microswitch module	MTA25001	1	1
8	Nut	BB/15172/L/M/2	2	2
9	Washer	GB/1792/16	1	1
10	Flat washer	GB/1752/16	2	2
11	Iron core with coil	MTA20001	1	1
12	Brake spring	MTA20002	10	10

MTA20236F
Brake
Zhejiang Kato Drive Equipment Co., Ltd



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TECHNICAL DRAWINGS

MEKB(2x850)

Αριθμ. Μητρώου	Α53
Αριθμ. Σελίδας	34
Αριθμ. Τεύχους	431
Αριθμ. Έργου	103
Αριθμ. Πρωτοκόλλου	103
Αριθμ. Σημείων	12
Αριθμ. Αρ.	1
Αριθμ. Σελίδας	153
Αριθμ. Τεύχους	34
Αριθμ. Σημείων	11
Αριθμ. Αρ.	1

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

Product ID number	MTA202351
Serial number	
Product name	
Product ID	
Qty	
Left	
Right	

Serial number	Product name	Product ID	Qty
1	Roller belt assembly	MTASB1A3	4
2	Armature module	MTASB1B2	1
3	Hexagon socket	GB/T7140/ISO	2
4	Head top screw	GB/T7140/ISO	2
5	Cross groove screw	GB/T7140/ISO	2
6	Flat washer	GB/T7140/ISO	2
7	Microswitch module	MTASB1D1	1
8	Loose handle	MTASB1B1	1
9	Spring	MTASB1J2	1
10	Flat cushion	GB/T7140/ISO	2
11	Nut	MTASB1H1	1
12	Blind	GB/T7140/ISO	1
13	Iron core with coil	MTASB1K1	1
14	Switchgear assembly	MTASB1A1	1
15	Single head copper pillar	MTASB1A2	2
16	Elastic cylindrical pin	GB/T7140/ISO	2
17	Brake spring	MTASB1H1	4



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