



Certificate of EC Type – Examination OF SAFETY COMPONENT

According to Annex V, Directive 95/16/EC

Certificate No: LF/A-C-1179/11

Name & Address of Certificate Holder : **ELECTROMETAL GEORGIOS MATTHAIYOU &SIA O.E**
Manufacturer: 6° km Thessaloniki - Oraiakastro, 56410 Thessaloniki

Date of Submission for EC Type-Examination : 10.07.2011
Examination Period: July, August 2011

Product Type of Safety Component : **Door locking device, for semiautomatic Well doors Type I (TI) :**
with door contacts **TI 1**
without door contacts **TI 2**
with door contacts **TI 3, (activation through screwbar)**
without doorcontacts **TI 4, (activation through screwbar)**

EC-Directive /Applicable Standards: 95/16/EC, Annex I & V
EN81.1,EN81.2, § 7.7,14.1.2, Annex F 1,
EN 60947, IEC 60112

Test Laboratory : Labor s.a.
Ethn. Antistaseos.84, 153 44 Pallini, Attika
Date & Number Laboratory Report : Labor : Record S/N 504306, 04.08.2011
MIRTEC SA, LF/A-R-1179/11, 15.07 & 04.08.2011

Documents Annexed : **Technical File, Materials Certificates, Instructions Drawings serie 65.00.xx, 65.01.xx,till 65.35.00, 63.00.xx, 64.00.xx, 15.01.2010 και 06.06.2011**

Annex 1 : Description of the electrical & mechanical safety devices

Field of Application : Semiautomatic well doors for Lifts with holes for the locking shaft.
Electrical power Supply: 110 V ac/ 0.15A, 42 V dc / 0.45A

Validation conditions / Additional instructions:

The production of the door locking device of well doors for lifts , Type I (TI), falls under random inspections from the certification body, who must be informed about all changes of materials, drawings as manufacture-assembly and installation instructions.

On the housing of the product at easy visible place must be put a label with the necessary data as the name of the manufacturer, product type, Sr.Nr. / year and *Field of Application* .

Result of the examination - Declaration

The product type meets the basic requirement of the Directive and Norms, for the application field mentioned above.

Place / Date of issue: ATHENS, 26.08.2011

Validation

A. Tzamtzis

General Director



For the notified body

I. Dimitriadis



ANNEX 1

Technical File Nr: ELECTROMETAL GEORGIOS MATTHAIYOU & SIA O.E (TI)
Certificate No: LF/A-C-1179/ 11

Technical Characteristics

Drawings :

serie 65.00.xx, 65.01.έως 65.35.00, 63.00.xx, 64.00.xx, 15.01.2010 και 06.06.2011

Locking System :

Shaft opening through direct fixed arm and return in locking position through pressed spring.

Electrical safety devices:

Shaft Locking device :

Contacts guided directly from shaft, (Door locking contacts).

Control of closed well door :

Mechanical prelocking controlled from metall shaft activated from the well door frame at the closed position of the door.

Prelocking device:

Plastic part, fixed on the door lock housing controlled through plastic part fixed on the main locking shaft, guided through pressed spring and activated from metall shaft on the opposite door frame. This part hinders (blocks) the return of locking shaft without closed door and the closing of the door locking contacts.

Electrical power Supply:

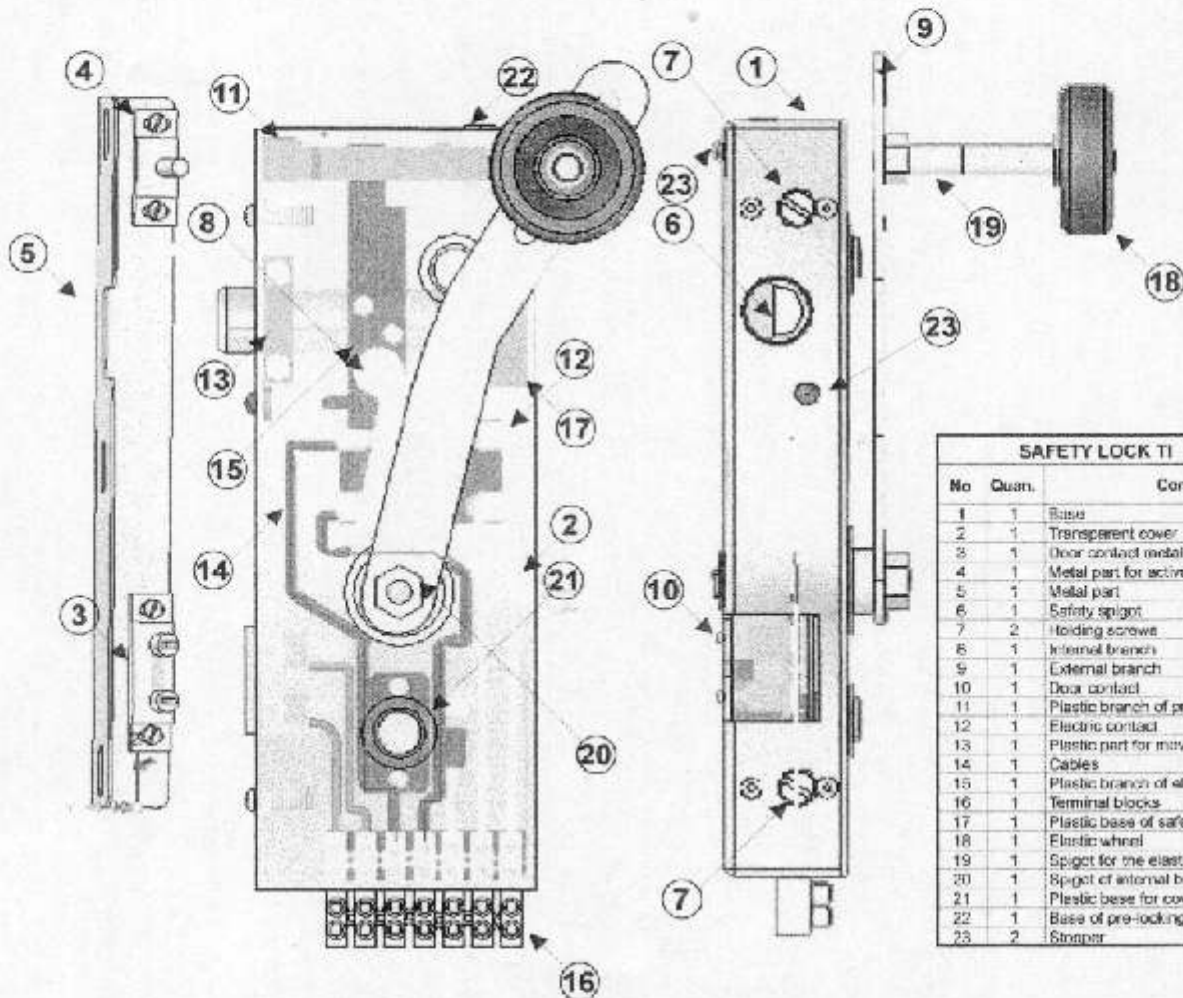
110 V ac/ 0.15A, 42 V dc / 0.45A

ATHENS, 26.08.2011

Lift certification Dept. MIRTEC.:

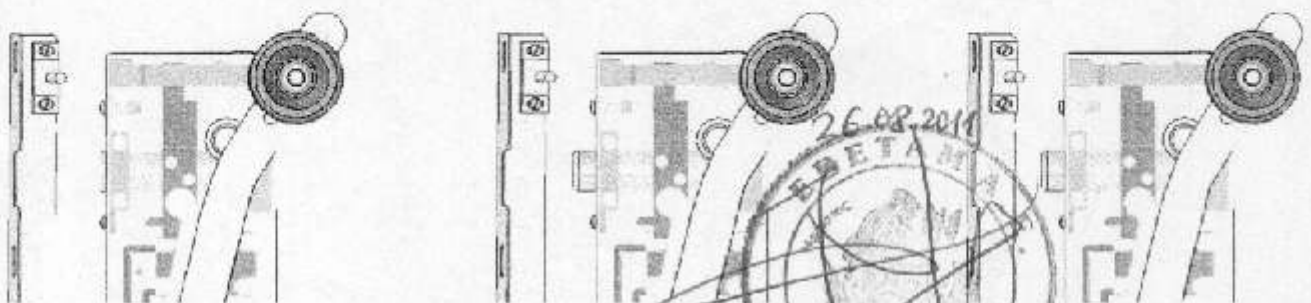
I. Dimitriadis





SAFETY LOCK TI PART LIST		
No	Quan.	Components
1	1	Base
2	1	Transparent cover
3	1	Door contact metal bridge
4	1	Metal part for activation of pre-locking
5	1	Metal part
6	1	Safety spigot
7	2	holding screws
8	1	Internal branch
9	1	External branch
10	1	Door contact
11	1	Plastic branch of pre-locking
12	1	Electric contact
13	1	Plastic part for movement of safety spigot
14	1	Cables
15	1	Plastic branch of electric contact
16	1	Terminal blocks
17	1	Plastic base of safety spigot
18	1	Elastic wheel
19	1	Spigot for the elastic wheel
20	1	Spigot of internal branch
21	1	Plastic base for cover
22	1	Base of pre-locking branch
23	2	Strapper

MAIN PHASES OF FUNCTION OF SAFETY LOCK TI



PHASE 1: (Door open)
 The safety spigot is outside the elevator door and it has stop on the elastic stopper of the safety lock.

PHASE 2: (Door open-car not moving)
 Activation of safety(pre-locking).
 The distance of contacts inside the electric contact is about 7mm.
 The metal part for the activation of pre - locking is inside the safety lock for the half of the movement of pre - locking branch and the safety spigot is in front of the elevator door.

PHASE 3: (Door closed and secured)
 The safety spigot is inside the elevator door for about 16mm. The pre - locking branch made all its movement so the movement of safety spigot is completely free.