



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.0175 rev.1 |
| Certificate Expiry Date: | 02/12/2028 |
| Applicant/Certificate Holder (Name & Address): | Zhejiang Furder Drive Technology CO., LTD. / No. 567 Tunheng Road, Nanxun District, Huzhou City, Zhejiang Province, China |
| Manufacturer (Name & Address): | Same as applicant |
| Date of Submission: | 29/11/2018 |
| 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 National Elevator Inspection and Testing Center/ No.61, Jinguang Avenue, Langfang City, Hebei,P.R. China |
| Date and Number of test report: | 10/05/2018 No.ETC18F350035 10/08/2018 No.T14-F350-18-078 |
| 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 traction sheave shaft, as part of the protection device against overspeed of the car moving in upwards direction |
| Models: | VED40 |
| Drawing Number (attached to this certificate): | C11001, SJF-2500-00 |
| 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:

CE1128

Preconditions:

It is required that the above safety equipment must always come with a declaration of conformity and the relevant instructions of use.

Athens, 12/11/2020

INSPECTOR

CHAD WANG

FOR EUROCERT SA

George N. Sifonios

Director of Development

Please check the validity of the certificate from our website using the password zZgH18V8

| Revision No | Description | Issue Date |
|-------------|---|------------|
| 0 | Original Certificate | 19/05/2017 |
| 1 | Model name and Address of applicant & Manufacture changed | 12/11/2020 |



Inspections
Cert No.: 53

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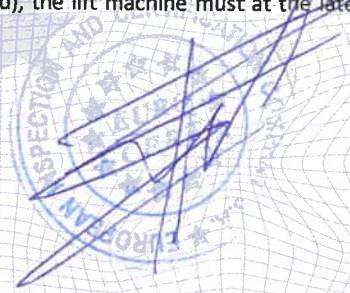
ANNEX A TO CERTIFICATE SCMB.0175 rev.1

TECHNICAL DESCRIPTION

| | | | |
|--|---|--|------------------------|
| Product Name/ Product Type / Model | : | BRAKING ELEMENT AS PART OF THE ASCENDING CAR OVERSPEED PROTECTION MEANS / VED40 | |
| Type of Application | : | Braking Device acting on the traction sheave shaft | |
| Model | : | VED40(2x1477Nm) | VED40(2x1954Nm) |
| Permissible system total mass (empty car mass + counterweight e.t.c.) | : | 1350 - 5600(Kg) | 2300 - 7700(Kg) |
| Permissible rated load with suspension ratio of 2:1 | : | 320 -1600 (Kg) | 1150 -2500 (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 | : | ≤ 2.50(m/sec) | ≤ 3.00(m/sec) |
| 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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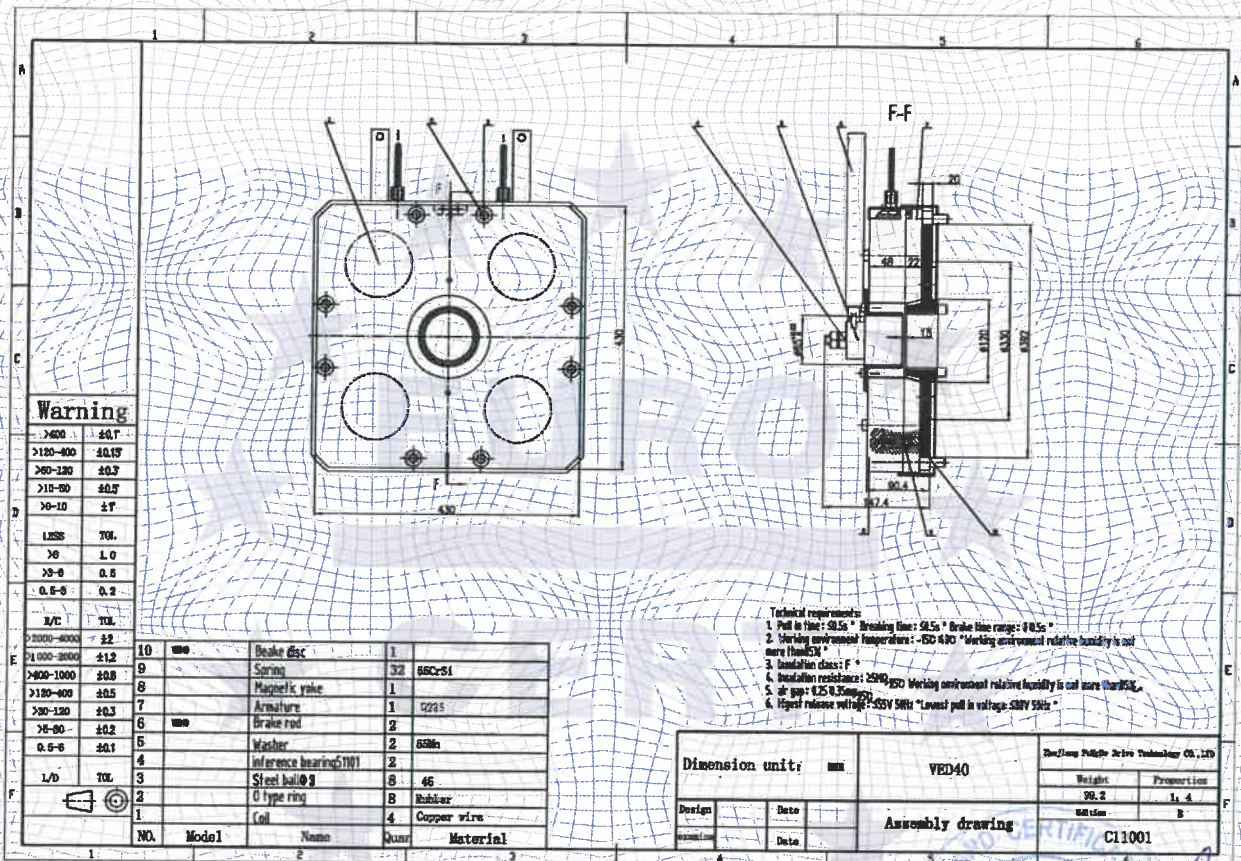




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ANNEX B TO CERTIFICATE SCMB.0175 rev.1

TECHNICAL DRAWINGS



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