



**BIDIRECTIONAL ELECTROMECHANICAL
ACTIVATION
EVO UD**

INSTRUCTIONS FOR USE AND MAINTENANCE



TYPE EXAMINATION CERTIFICATE

ELEVATOR COMPONENT / SYSTEM

Document number: ATI / CA030 **rev:** 1

Certification Body: TÜV SÜD ATISAE S.A.U.
Ronda de Poniente, 4
ES 28760 Tres Cantos MADRID (ESPAÑA)

Product: Electrical activation means for the safety gears.
Downwards and upwards activation

Type: e-ASG UD EVO

Manufacturer: DYNATECH. DYNAMICS AND TECHNOLOGY S.L.
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Certificate Holder: DYNATECH. DYNAMICS AND TECHNOLOGY S.L.
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Expiry date: indefinite (please refer to tech. annex section 2.5)

Statement: Remote car safety gear activation means assessed in this certificate may be used in connection with an electronic overspeed governor and DYNATECH's safety gear type ASG. This certificate will be mentioned as an annex in the certificate of the safety gears that are allowed and shall be integrated in the design of the elevator where the system, together with the governor, is used. The Notified Body intervening in the certification procedure of the of the complete elevator, whichever it is, must assess the integration of the system with governor and controller.

For legal reasons, provided that this equipment is not a safety component according to annex III of Lifts Directive 2014/33/UE, this agency cannot issue an EU type examination certificate. features of the system.

This certificate may be used as justification of the features of the system.

(1) Only for the clauses mentioned in the technical annex. There are deviations when applying 5.6.2.2.1.1.d) of EN 81-20, according to what is stated in the annex.

This certificate has a technical annex with reference ATI/CA030 rev 1.

This certificate is digitally signed. Only the document issued in pdf format with its signature is legally valid.

DAS/000751-1



Jordi Olivera
Lifts Technical Coordinator

TÜV SÜD ATISAE S.A. (Unipersonal). Organismo Notificado 0053
Organismo de Control acreditado por ENAC con acreditación nº C-PR/445.

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Sede Técnica: Ronda de Poniente, 4 – P.E. EURONOVA – 28760 Tres Cantos (Madrid) – España



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1 DESCRIPTION

The EVO UD bidirectional electromechanical activation for the ASG UD safety gear consists of a spring that, when compressed, pulls connecting rods that transmit the kinematics of the system and move the braking roller from the roller holding or lift operating position to the pre-engagement position.

For normal lift operation, the safety gear is reset by a linear solenoid while a holding coil keeps the actuation mechanism in its unlocked or roller holding position.

Below is a diagram of the eASG EVO electromechanical safety gear, formed by the EVO bidirectional electromechanical activation and the ASG safety gear (Image 1).

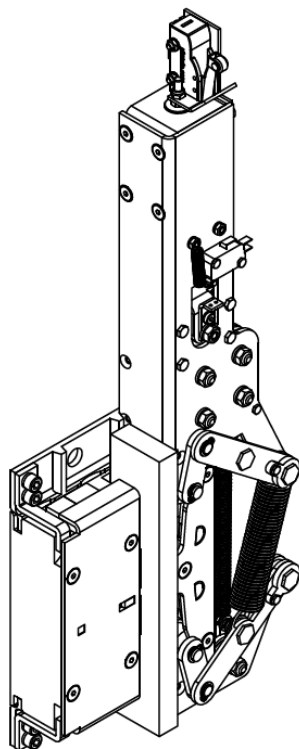


Image 1 eASG bidirectional electromechanical safety gear

The EVO UD electromechanical activation can operate the entire range of Dynatech ASG (bidirectional) safety gear. Activation is common for any model of safety gear in this range. For further information on the safety gear (P+Q, type of guide, etc.), please read the manuals corresponding to the ASG range.

Given its design, the safety gear has the feature of engaging itself when the roller touches the guide. As a result, when the holding coil is not powered, the activation spring forces the roller to touch the guide rail. This means that, if the car were to move in either direction (upwards or downwards), the safety gear would immediately and automatically engage itself. **This is known as positive safety.**

There are therefore 3 modes in the activation: Holding, pre-engagement and locked or engaged.

1.1 Options

1.1.1 Reset coil monitoring

Information on the reset coil status (on or off) can be obtained via a safety contact that the customer can specify in the order.

Request this option in the order as: With reset coil monitoring.