



SOLUTIONS AGAINST UNINTENDED CAR MOVEMENT

COMPLETE EN81-1/2 A3 SOLUTION PACKAGES OF WITTUR

CERTIFIED UCM SOLUTIONS ACCORDING TO EN81-1/2 A3

EXCELLENCE IN COMPONENTS

UCM SOLUTIONS

What is unintended car movement?

According to EN81-1/2 A3 and EN81-21 (new lifts in existing buildings), new lifts installed after January 1st 2012 must be equipped with a system to prevent a car moving away from the floor with the landing door not in the locked position and the car door not in the closed position.

A UCM solution can be certified as a system (type examination certificate) or composed by tested components. The UCM unit shall detect unintended movement of the car, shall cause the car to stop and keep it stopped.



Complete A3 Solutions of Wittur

WITTUR innovative and unique UCM solution brings together EOS - Wittur's advanced electronic overspeed governor (EOS) with a variety of ancillary safety equipment.

EOS, through its multi-channel sensors, accurately measures position, speed and acceleration, to trigger the safety gear or machine brake faster and stop car movement before it reaches a potentially harmful distance or speed. EOS, in contrast to the usual overspeed governors on the market (Jack-type), triggers from any position, whereby the load on people and material are significantly reduced.

Another advantage of EOS is the quiet running characteristic.

WITTUR GROUP

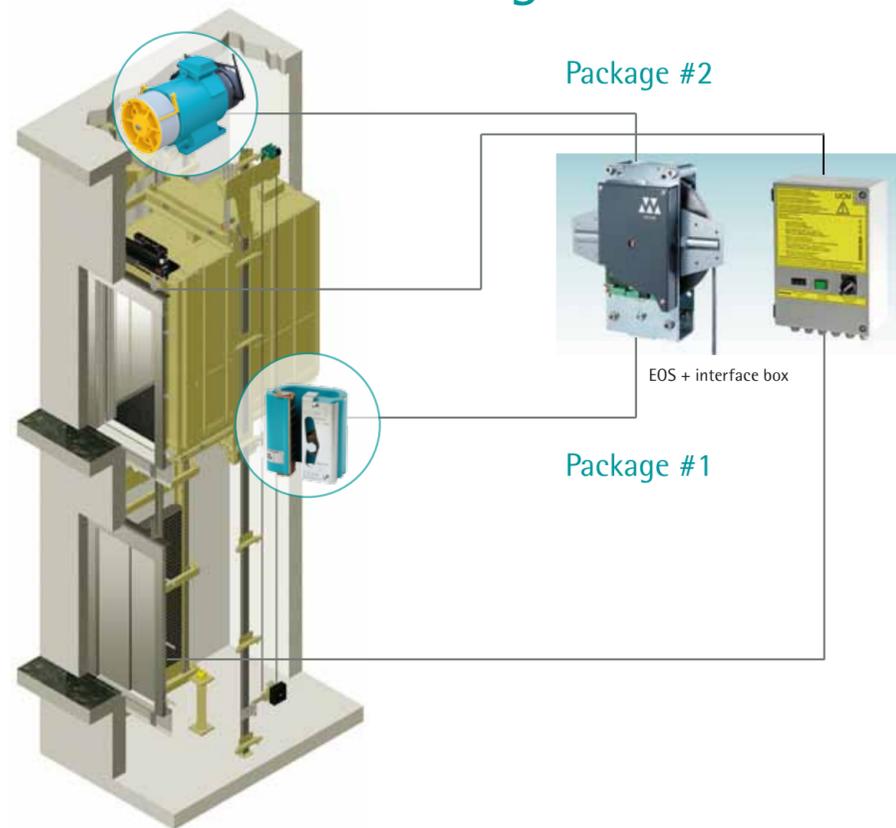
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EXCELLENCE IN COMPONENTS



UCM Solution Packages for electric Lifts



- Applicable for Lifts according to LD 95/16/EC, EN81-1, EN81-21 and EN81-80 (SNEL).
- Safety system type tested against Unintended Car Movement => UCM Solution. According to EN81-1 A3.
- Simplified placing on the market by system certificate A3.
- Accurate position and speed measurement.
- UCM distance and speed set and sealed by the factory: easy installation, no adjustment required.
- Self-monitoring system with completely redundant design for faultless operation.
- Electronic interface including all necessary components for autonomous operation of EOS; no modification of lift controller required.

EOS with BSG-25P



Package #1

- EOS + BSG + Electronic interface.
- Max. rated speed 2,0 m/s
- Total mass P+Q 2550 kg
- Max. travelling height: 120 m
- Innovative bidirectional progressive safety gear BSG with great distance between guide rail and safety gear.
- EOS monitoring of car level, speed and acceleration.
- EOS triggers the safety gear after a predefined distance from floor level or after exceeding a predefined speed: fast intervention times and fast tripping after detection.
- Electronic interface independent from lift controller.
- Applicable for advanced door opening and releveling.
- Smart integrated UPS in case of power outage.

EOS with gearless drive braking system



Package #2

- EOS + Gearless drive + Electronic interface.
- Max. rated speed 3,5 m/s
- Max. rated load: 4000 kg
- Max. travelling height: 120 m
- EOS monitoring of car level, speed and acceleration.
- EOS triggers the machine brake after a predefined distance from floor level or after exceeding a predefined speed: fast intervention times and fast tripping after detection.
- Electronic interface independent from lift controller.
- Applicable for advanced door opening and releveling.
- Smart integrated UPS in case of power outage.

UCM Solution for Hydraulic Lifts



Package #3

HDU device

- Electrically commanded no return valve.
- Permits no unintended car movement generally closed at landing position.
- Integrated self-monitoring intelligence.
- Redundancy by two valves in series.
- No additional and complex controller software.
- Applicable for advanced door opening and releveling.
- Applicable for different hydraulic installations especially for retrofitting for several kind of products.
- Easy and quick installation.