



QMSCERT®



NOTIFIED BODY No 1617
ΚΟΙΝΟΠΟΙΗΜΕΝΟΣ ΟΡΓΑΝΙΣΜΟΣ No 1617

Certificate of EU-Type Examination

According to EU Directive for Lifts 2014/33/EU
(Appendix IV.A, Module B)

ΒΕΒΑΙΩΣΗ ΕΞΕΤΑΣΗΣ ΤΥΠΟΥ ΕΕ

Σύμφωνα με την οδηγία ανελκυστήρων 2014/33/ΕΕ
(Παράρτημα IV.A, Ενότητα Β)

Certificate Number / Αρ. Πιστοποιητικού: 12.319.0

Date / Ημερομηνία: 20.11.2017

Manufacturer / SEMITRON S.A.

Κατασκευαστής: ΣΕΜΗΤΡΟΝ Α.Ε..

Manufacturer Address / 57022 Sindos Industrial Area, Thessaloniki, Greece

Διεύθυνση Κατασκευαστή: 57022 ΒΙ.ΠΕ Σίνδου, Θεσσαλονίκη

Certificate Holder / SEMITRON S.A.

Ιδιοκτήτης Πιστοποιητικού: ΣΕΜΗΤΡΟΝ Α.Ε.

Safety Component / Electric safety component in a form of a safety circuit.

Κατασκευαστικό Στοιχείο Ασφαλείας: Στοιχείο ηλεκτρικής ασφάλειας με τη μορφή κυκλώματος ασφαλείας.

Product Type / Τύπος Προϊόντος: Safety module RLV-V1.XX

Date of submission for type-examination / 24.01.2017
Ημερομηνία υποβολής για την Εξέταση Τύπου:

Applicable Standards/Εφαρμοζόμενα Πρότυπα: EN81-20:2014, 5.6.7.7, 5.12.1.4
EN81-50:2014, 5.8

Statement

The component **conforms** to the Lift Directive 2014/33/EU essential health and safety requirements for the scope of application stated to the annex to this certificate.

Δήλωση

Το στοιχείο ασφαλείας (ΚΣΑ) **πληροί** τις βασικές απαιτήσεις υγείας και ασφαλείας της Οδηγίας ανελκυστήρων 2014/33/ΕΕ, για το πεδίο εφαρμογής που αναφέρεται στο παράρτημα του πιστοποιητικού.



For QMSCERT

Josef Charalampidis
Technical Director

This EU- Type Examination certificate consists of this main page and the technical annex with two (2) additional pages.
Η ΒΕΒΑΙΩΣΗ ΕΞΕΤΑΣΗΣ ΤΥΠΟΥ ΕΕ αποτελείται από το παρόν πιστοποιητικό και παράρτημα με δύο (2) επιπλέον σελίδες.

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Annex to the EU Type Examination certificate Nr. 12.319.0 of 20.11.2017

1. Scope of application:

Detection of unintended car movement of the car, acc. to EN81-20, clause 5.6.7.7 in combination with SK3 lift controller.

Bypass of door locking safety contacts for levelling, re-levelling and preliminary operation acc. to EN81-20, clause 5.12.1.4

2. System description

The system consists of the following functions which are operated by the RLVV1.XX Printed circuit board in combination with the SK3 lift controller:

2.1 Detection

Detection of unintended car movement (UCM) when the car leaves the unlocking zone with open doors according to EN81-20:2014, clause 5.6.7. The element leads to an open safety circuit because of the door-bridging circuit becoming inactive. The door zone detection system is realized with two 150 mm length magnets positioned above and below the landing.

2.2 Bypass of electric safety devices of doors

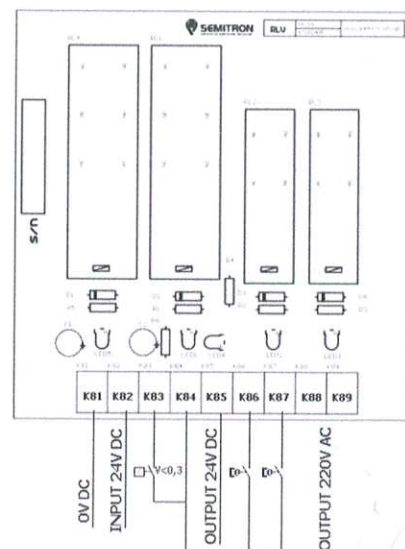
Bypassing of the door and locking element switches during levelling and re-levelling according to EN81-20:2014, clause 5.12.1.4

3. Technical characteristics

Type:	RLV_V1.XX (X=0-9)
Dimensions:	94mm x 97mm x 20mm (Length x Height x Width)
Terminal Voltage:	K81-K87 : 24V DC K88-K89: 220V AC/50Hz
Weight:	132gr
Pollution degree:	3
Overvoltage category:	III
Reaction time of the safety control circuit:	49msec
Reaction time of the safety control circuit contactors included:	69msec

Led operation:

- Led 01: Relay RL1 is on
- Led 02: Relay RL2 is on
- Led 03: Relay RL3 is on
- Led 04: Elevator is in unlocking zone
- Led 05: Relay RL4 is on



4. Remarks

- | | |
|--|---------------------------|
| 4.1 Test laboratory | Labor S.A. |
| 4.2 Date and number of laboratory report | 1064.004.3.01, 26.10.2017 |

5. Conditions:

5.1 Appropriate marking should be affixed to the safety component and a manufacturer's EU declaration of conformity shall accompany the safety component when it is placed on the market.

5.2 The manufacturing procedure of the safety component should be under surveillance by the Notified Body. The manufacturer of the safety component must inform the notified body of any alteration, which he has made or plans to make to the approved safety component.

5.3 To assure that the products placed on the market are in conformity with the tested samples, one of the following two possible conformity assessment procedures for surveillance of production shall be followed:

- Conformity to type with random checking (2014/33/EU, Annex IX, Module C 2)
- Product quality assurance (2014/33/EU, Annex VI, Module E)

5.4 This certificate may be subject to revisions based in any modification and/or amendment of the applied standards or requirements of the technical state of the art.

5.5. This component may be part of an UCM (Uncontrolled car movement) protection system as a detection element. The installer shall take into account the relevant notes on respect to the distances and additional delays that have influence on the stopping distance, when providing the component.

5.5. An assessment to the complete UCM system is required, in order to comply with the requirements of above clauses by means of the necessary operation instructions, tests and inspection.

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