

TYPE-EXAMINATION CERTIFICATE

Issued by Liffinstituut B.V.

Certificate no. : NL20-400-1001-218-01 Revision no.: -

Description of the product : Strike plate with unlocking triangle for swing door panel(s) with a manual resettable safety switch to prevent the normal operation of the lifting platform when used to provide access to the pit

Trademark, type : T.E. Srl, TEC41-RM

Name and address of the manufacturer : T.E. Srl
Viale Papiniano, 22/A
20123 Milano, Italy

Name and address of the certificate holder : T.E. Srl
Viale Papiniano, 22/A
20123 Milano, Italy

Certificate issued on the following requirements : See certificate based on the following standards

Certificate based on the following standard : EN 81-41:2016 clause 5.1.4.2.1 c) and 5.8.6

Test laboratory : None

Date and number of the laboratory report : None

Date of type examination : January 2020

Additional document with this certificate : Report belonging to the type examination certificate no.: NL20-400-1001-218-01

Additional remarks : Utilization categories:
Alternating current: AC15 (50...60 Hz)
U_e (V) 250
I_e (A) 6
Direct current: DC13
U_e (V) 24 125 250
I_e (A) 3 0.55 0.3

Conclusion : The system meets the standards EN 81-41 clause 5.1.4.2.1 c) and 5.8.6 taking into account any additional remarks mentioned above.

Amsterdam

Date : 07-01-2020
Valid until : 07-01-2025



ing. P.J. Peeters
Manager



Certification decision by



Report type-examination

Report belonging to type-examination : NL20-400-1001-218-01
certificate number

Date of issue of original certificate : 07 January 2020

Product description : Component

Revision number / date : - / -

Requirements : Standard(s): EN 81-41:2016 clause
5.1.4.2.1 c) and 5.8.6

Project number : P190333

1. General specifications

Name and address manufacturer : T.E. Srl
Viale Papiniano, 22/A
20123 Milano, Italy

Description of component : Strike plate with unlocking triangle for
swing door panel(s) with a manual
resettable safety switch to prevent the
normal operation of the lifting platform
when used to provide access to the pit

Type : T.E. Srl, TEC41-RM

Laboratory : None

Date of examination : 07-01-2020

Examination performed by : P.J. Schaareman, H.D. Kramer

2. Description component

This pit access monitoring system consists of a patented strike plate with unlocking triangle and manual reset safety switch which is connected to a special bridge replacing the ordinary bridge of the door contact (used for controlling the closed position of landing doors). The intended function of this system is the monitoring of the access to the lifting platform pit through the lowest-floor landing door. Unlocking the door by the triangular key causes the immediate and stable interruption of normal operation of the lifting platform.

During normal operation the patented strike plate works exactly the same as an ordinary latch strike for safety door locks. But when the patented strike plate is used for unlocking the landing door by means of the triangular key in the door panel, its inbuilt normally closed safety switch gets forcibly opened (positive opening). As long as the safety switch is not brought back to its closed position by manually resetting it, the special bridge connected to the safety switch remains “opened” i.e. deactivated. This means that the platform cannot operate even if the door is closed and locked (accidentally or voluntarily). The safety switch (which is solidly and permanently fixed to the strike plate by means of metal rivets) can be reset only through the hole which is located in the door panel edge by means of e.g. a standard flat-head screwdriver. In normal operation the hole is kept hidden by a stopper or a plug which must be removed beforehand in order to perform the reset. The reset hole is conveniently located in the edge of the panel so that the safety switch can only be reset when the door is open. When the door is closed the reset is inaccessible from both sides of the panel (i.e. landing floor and lift way). The return of the platform to normal operation can only be made by bringing back the bi-stable switching element of the safety switch to the upper position.

This system can only be used as an electro-mechanical safety system for swing doors of lifting platforms (home lifts) and is only to be used in combination with a certified safety door lock with a separate door-closed-switch. The TEC41-RM is to be used in combination with a Kronenberg PZ18-2 special bridge piece or any other special bridge piece having the same characteristics. The TEC41-RM-inbuilt safety switch is a Pizzato FR 5A3-M2 or any other equivalent bi-stable certified (Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU) positive opening safety switch with piston plunger and same means to reset. The special bridge connections will be enclosed in an epoxy resin. To prevent wear, tear and unwanted contact with metal parts of the door panel, the exposed wiring of the special bridge piece outside the door panel shall be installed with a plastic conduit/tube or similar means of protection. A M20x1,5 cable gland could be used for extra protection as seen in the picture (annex 1b). The wires should be connected in such a way that as less as possible bends will be made (annex 1a).

See annex 1 for a general overview of the product.

3. Examinations and tests

The examination covered a check whether compliance with the harmonized product standard EN 81-41:2016 clause 5.1.4.2.1 c) and 5.8.6.

The examination included:

- Examination of the technical file.
- Examination of the representative model in order to establish conformity with the technical file.
- Inspections and tests to check compliance with the requirements.

4. Results

After the final examination the product and the technical file were found in accordance with the requirements. The functional tests passed without remarks.

5. Conditions

Additional to or in deviation of the applicable demands in the considered requirements / standards (see certificate and page 1 of this report), the following conditions shall be taken into account:

- The TEC41-RM shall be installed with the wiring side of the switch orientated to the special bridge in the most direct way (thus avoiding any risk of mechanical interference between connection wires and strike plate mechanism and/or any sharp edges in the door leaf frame).
- The wires from the bridge piece through the door panel shall be additionally shielded against damaging.
- Earthing of the door is required to prevent short circuit.

6. Conclusions

Based upon the results of the type-examination Liftinstituut B.V. issues a type-examination certificate.

The type-examination certificate is only valid for products which are in conformity with the same specifications as the type certified product. The type-examination certificate is issued based on the requirements that are valid at the date of issue. In case of changes of the product specifications, changes in the requirements or changes in the state of the art the certificate holder shall request Liftinstituut B.V. to reconsider the validity of the type-examination certificate.

Prepared by:



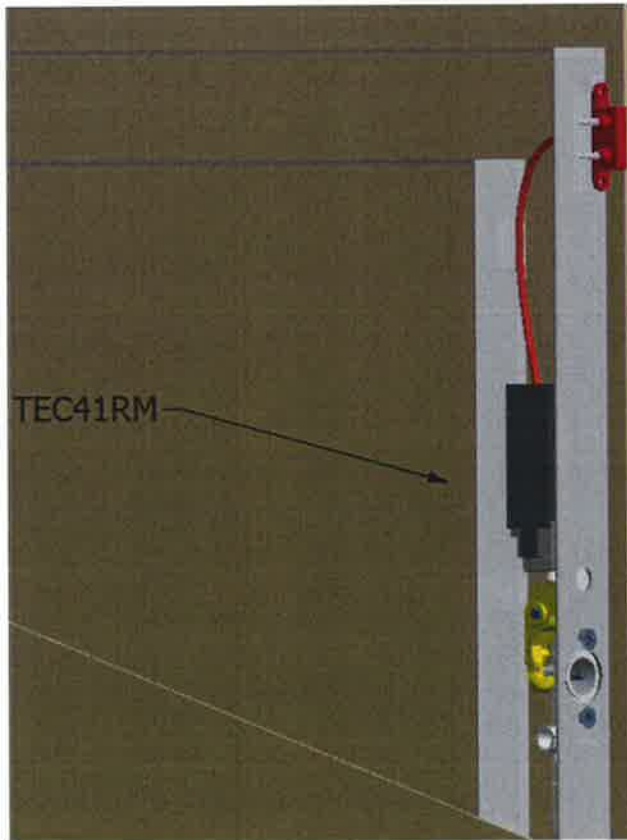
P.J. Schaareman
Product Specialist Certification
Liftinstituut B.V.

Certification decision by:



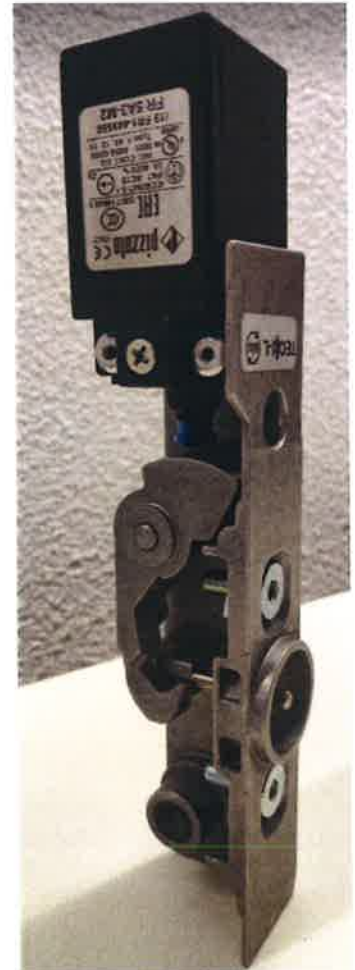
Annexes

Annex 1a : General overview of the product – Door panel



Special bridge

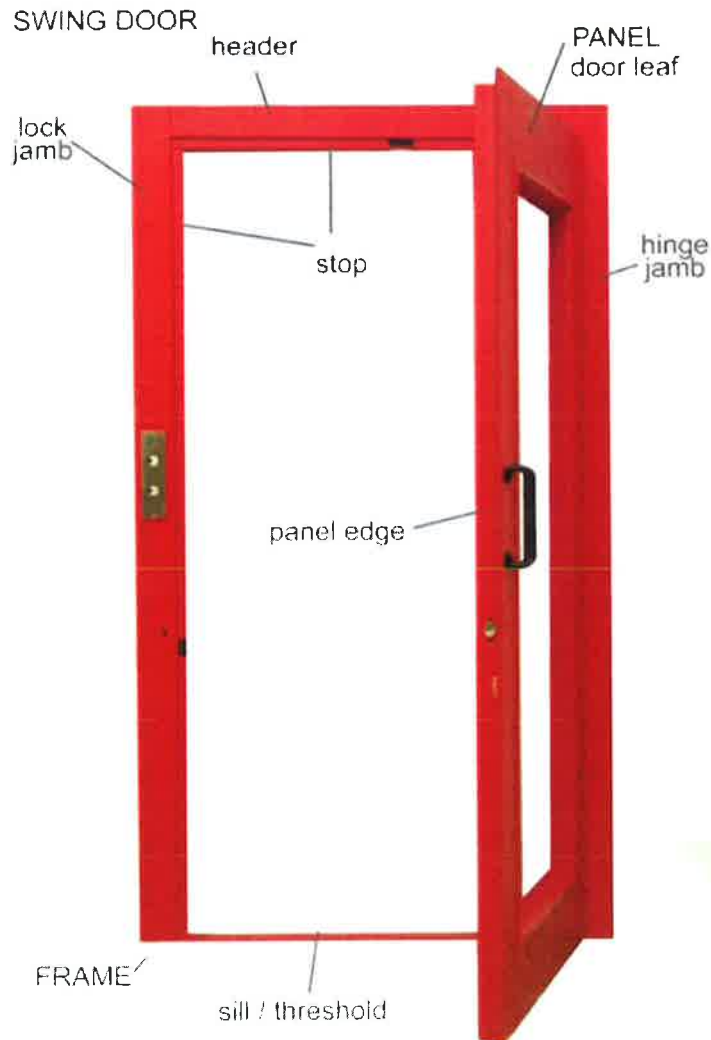
Manual reset



Annex 1b : General overview of the product – Cable gland



Annex 1c : General overview of the product – Complete door





Annex 2 : Documents of the Technical File which were subject of the examination

Title	Document number	Date
English instructions	TEC41RM	19-11-2019

Annex 3 : Reviewed deviations from the standards

No specific deviations

Annex 4 : Revision of the certificate and its report

Rev.:	Date	Summary of revision
-	07-01-2020	Original