

DECLARATION UE DE CONFORMITE POUR COMPOSANTS DE SECURITE
EU DECLARATION OF CONFORMITY FOR SAFETY COMPONENTS
ERKLARUNG ZUR EU ÜBEREINSTIMMUNG VON SICHERHEIT KOMPONENTEN

Nom et adresse du fabricant et du détenteur de la déclaration :

*Manufacturers' and holder's
Certificate name and address :*

*Name und adresse von Hersteller und
Erklärung besitzer :*

prudhomme S.a
38, rue Charles de Gaulle
94140 Alfortville
(FRANCE)



Catégorie, type et marque de fabrique ou de commerce

Category, type and make or Trade name :

*Kategorie, Typ und Fabrik-oder
Handelsmarke*

- Serrure d'ascenseurs à sécurité positive type SPX4 ou SPX4-Ex pour porte battante ou coulissante 1 vantail
- Positive safety lock type SPX4 or SPX4-Ex for simple hinged or sliding doors
- Positiv sicherheit Türverschluss SPX4 oder SPX4-Ex für Schwenk oder Schiebetür

Année de fabrication :

Years of manufacture :

Baujahr :

2021

Nom et adresse et numero de référence de l'organisme notifié :

*Name, address and reference number of
the notified organism :*

*Name, Adresse und Referenz-Nummer
von der deklarierten Instanz :*

LIFTINSTITUUT B.V.
Buikslotermeerplein 381
1025 XE - P.O. Box 36027
1020 MA - AMSTERDAM

N° 0400

Attestation de type :

Type Examination Certificate :

Art der Bescheinigung :

Ce composant a obtenu l'attestation d'examen CE de type
NL 10-400-1002-125-01-Rev4 délivré par le LIFTINSTITUUT B.V.
*The component is declared in conformity with the EC type
NL 10-400-1002-125-01-Rev4 delivered by the LIFTINSTITUUT B.V.*
*Diese Komponente hat die Zertifikat Pruefung EG
NL 10-400-1002-125-01-Rev4 LIFTINSTITUT BV erhalten.*

Nom et adresse et numero de référence de l'organisme notifié pour la validation du système d'assurance qualité production :

*Name, address and reference number of
the notified organism for the validation of
the quality insurance system :*

*Name, Adresse und Referenz-Nummer
von der deklarierten Instanz / für die
Erklärung des Qualitäts-Versicherungs-
Systems :*

Bureau Veritas
67-71, Boulevard du Château
92200 Neuilly sur seine - France

N° 2681-LD-VI-PR2 001-17-FRA (Annexe VI)

Norme :

Standard :

Norm :

Ce composant répond à la Directive ascenseur : 2014/33/UE
Ce composant répond à la norme : EN 81-1/2: 1998 + A3: 2009
ainsi qu'à la EN 81-20/50: 2014

*This component meets the Lift Directive 2014/33/UE
This component meets the standard: EN 81-1 / 2: 1998 + A3: 2009
as well as EN 81-20/50: 2014*

*Diese Komponente entspricht der Richtlinie Aufzug 2014/33/UE
Diese Komponente erfüllt die Norm: EN 81-1 / 2: 1998 + A3: 2009
sowie EN 81-20/50: 2014*

Roland TRICOT
Directeur Général
General Manager / CEO

Date : **6-1-2021**

Lieu : **Paris FR**

DECLARATION UE DE CONFORMITE POUR COMPOSANTS DE SECURITE
DECLARACIÓN DE CONFORMIDAD UE PARA COMPONENTES DE SEGURIDAD
DICHIARAZIONE DI CONFORMITÀ UE PER COMPONENTI DI SICUREZZA
DECLARAÇÃO UE DE CONFORMIDADE PARA COMPONENTES DE SEGURANÇA

Nom et adresse du fabricant et du détenteur de la déclaration :
Nombre y dirección del fabricante y del titular de la declaración :
Nome e indirizzo del fabbricante e del titolare della dichiarazione :
Nome e morada do fabricante e do detentor da declaração :

prudhomme S.a
38, rue Charles de Gaulle
94140 Alfortville
(FRANCE)



Catégorie, type et marque de fabrique ou de commerce :

- Serrure d'ascenseurs à sécurité positive type SPX4 ou SPX4-Ex pour porte battante ou coulissante 1 vantail

Categoría, tipo y marca de fábrica o de comercio :

- Cerradura de seguridad positiva tipo SPX4 o SPX4-Ex para puerta batiente o corredera

Categoria, tipo e marchio di fabbrica o nome commerciale :

- Serratura di ascensori a sicurezza positiva tipo SPX4 o SPX4-Ex per porta battente o scorrevole 1 stoffa per tendin

Categoria, tipo e marca de fabrico ou comercial :

- Fechadura de ascensores de segurança positiva tipo SPX4 o SPX4-Ex para porta de tipo batente o correção 1 batente

Année de fabrication :

2021

Año de fabricación :

Anno di fabbricazione :

Ano de fabrico :

Nom et adresse et numero de référence de l'organisme notifié :

LIFTINSTITUUT B.V.

Nombre y dirección y número de referencia del organismo notificado :

Buikslotermeerplein 381
1025 XE - P.O. Box 36027
1020 MA - AMSTERDAM

Nome ed indirizzo e numero di riferimento dell'organismo notificato :

N° 0400

Nome e endereço e número de referência do organismo notificado :

Attestation de type :

Ce composant a obtenu l'attestation d'examen CE de type
NL 10-400-1002-125-01-Rev4 délivré par le LIFTINSTITUUT B.V.

Certificado de tipo :

Este componente ha obtenido el certificado de examen CE de tipo
NL 10-400-1002-125-01-Rev4 expedido por el LIFTINSTITUUT B.V.

Attestazione di tipo :

Questo componente ha ottenuto l'attestazione di conformità CE di tipo
NL 10-400-1002-125-01-Rev4 rilasciata da LIFTINSTITUT B.V.

Certificado de Exame de tipo :

Este componente obteve o certificado de exame CE de tipo
NL 10-400-1002-125-01-Rev4 fornecido pelo LIFTINSTITUUT B.V.

Nom et adresse et numero de référence de l'organisme notifié pour la validation du système d'assurance qualité production :

Bureau Veritas

Nombre y dirección y número de referencia del organismo notificado para la validación del sistema de garantía de calidad :

67-71, Boulevard du Château
92200 Neuilly sur seine - France

Nome ed indirizzo e numero di riferimento dell'organismo notificato per la convalida del sistema d'assicurazione qualità :

N° 2681-LD-VI-PR2 001-17-FRA (Annexe VI)

Nome e endereço e número de referência do organismo notificado para a validação do sistema de seguro qualidade :

Norme :

Ce composant répond à la Directive ascenseur : 2014/33/UE

Norma :

Ce composant répond à la norme : EN 81-1/2: 1998 + A3: 2009 ainsi qu'à la EN 81-20/50: 2014

Roland TRICOT

Directeur Général

Director General

Director-Geral

Date :

Lieu :

6-1-2021

Paris FR

Este componente responde a la Directiva Ascensor 2014/33/UE

Este componente se encuentra con la norma EN 81-1 / 2: 1998 + A3: 2009, así como con la norma EN 81-20 / 50 2014

Questo componente a conforme alla Direttiva Ascensori 2014/33/UE

Questo componente è conforme alla norma EN 81-1 / 2: 1998 + A3: 2009, nonché alla EN 81-20 / 50 2014

Este componente cumple a directiva elevador: 2014/33/UE

Este componente cumple a norma: EN 81-1 / 2: 1998 + A3: 2009, bem como a EN 81-20 / 50 2014

EU-TYPE EXAMINATION CERTIFICATE

Issued by Liftinstituut B.V.
identification number Notified Body 0400,
commissioned by Decree no. 2016-0000038870

Certificate no. : NL10-400-1002-125-01 Revision no.: 4

Description of the product : Landing door locking device for manually operated swing doors with a possibility to be used in potentially explosive atmospheres

Trademark, type : Prudhomme S.a., SPX4 & SPX4/EX

Name and address of the manufacturer : Prudhomme S.a.
38 rue Charles de Gaulle
94140 Alfortville, France

Name and address of the certificate holder : Prudhomme S.a.
38 rue Charles de Gaulle
94140 Alfortville, France

Certificate issued on the following requirements : Lifts Directive 2014/33/EU

Certificate based on the following standard : Parts of: EN 81-1/2:1998 + A3:2009, EN 81-20:2014, EN 81-50:2014

Test laboratory : None

Date and number of the laboratory report : None

Date of EU-type examination : January - March 2010, July 2010, June 2011, February 2011, August - September 2012, August 2017

Additional document with this certificate : Report belonging to the EU-type examination certificate no.: NL10-400-1002-125-01Rev.4

Additional remarks : Max. rated voltage: 230 VAC 230VDC
Max. rated current: 2.0 A 0.25A
Furthermore see chapter 5 of the report belonging to this EU-type examination certificate.

Conclusion : The safety component meets the requirements of the Lifts Directive 2014/33/EU taking into account any additional remarks mentioned above.

Amsterdam

Date : 01-08-2017
Valid until : 01-08-2022

ing. J.L. van Vliet
Managing Director

Certification decision by

Report EU-type examination

Report belonging to EU-type examination certificate no.	: NL10-400-1002-125-01
Date of issue of original certificate	: March 5, 2010
Concerns	: Safety component
No. and date of revision	: 4; August 01, 2017
Requirements	: Lifts Directive 2014/33/EU Standards: EN81-1:1998 + A3:2009, EN81-20:2014, EN81-50:2014
Project no.	: P080182-01, P110104-01, P120168-01, P170263

1. General specifications

Name and address manufacturer	: Prudhomme S.a. 38 rue Charles de Gaulle 94140 Alfortville, France
Description of safety component	: Door locking device for swing doors with a possibility to be used in potentially explosive atmospheres
Type	: SPX4 & SPX4/EX
Laboratory	: Liftinstituut, Amsterdam, The Netherlands
Data of examination	: January - March 2010, July 2010, February 2011, June 2011, August - September 2012, August 2017
Examination performed by	: R.E.Kaspersma, W.Visser

2. Description safety component

The SPX4 locking device is equipped with a lateral lever, SPX4/L, or a perpendicular lever, SPX4/P. There are 5 different versions: SPX4-O, SPX4-T, SPX4-K, SPX4-S and SPX4/+6. The indication D or G is used to indicate the right or left version. The used version depends on the locking device it replaces. The door locking device consists of two parts, the locking housing and the receiving contact. Inside the housing a checking pin is provided to check if the landing door is properly closed. If the pin gets stuck the door lock contact won't close.

The locking takes place by a pin in a hole in the side of the landing door. The housing of the lock is made from die-cast. The top side is fitted with a clear cover so contacts and locking components can be inspected without removing any covers. Also is it possible to open the lock by means of a triangular key according annex B of the EN

81-1/2 and Fig. 13 of EN81-20. The lock can be used for hinged landing doors. The contacts can be used up to 230 V AC and 2.0 A AC only.

The locking pin can both be with an inclined part or without. The version with a straight pin is especially for the lowest landing door which gives access to the well pit. Due to using the locking pin without chamfer, in case of the bottom landing door has been manually opened by using the unlocking key, the door will not be self-locking.

The SPX4/EX locking device is equipped with a lateral lever, SPX4/EX/L or LK, or a perpendicular lever, SPX4/EX/P1 or P2. The door locking device consists of two parts, the locking housing and the receiving contact. Inside the housing a checking pin is provided to check if the landing door is properly closed. If the pin gets stuck the door lock contact won't close.

The locking takes place by a pin in a hole in the side of the landing door. The housing of the lock is made from die-cast. The top side is fitted with a clear cover so locking components can be inspected without removing any covers. Also is it possible to open the lock by means of a triangular key according annex B of the EN 81-1/2 and Fig. 13 of EN81-20. The lock can be used for hinged landing doors. The contacts can be used up to 230 VAC and 2.0 A or 120VDC and 0.25 A. The locking pin is with an inclined part.

3. Examinations and tests

The examination covered a check whether compliance with the Lift Directive 2014/33/EU is met, based on the harmonized product standards EN81-1/2:1998 + A3:2009, EN81-20:2014 and EN81-50:2014.

The examination included:

- Examination of the technical file (See annex 2):
- Examination of the representative model in order to establish conformity with the technical file.
- Inspections and tests to check compliance with the requirements.

The tests which are performed are as stated in annex F1 of the EN81-1/2 and clause 5.2 of EN81-50.

3.1 Mechanical tests SPX4

Endurance test

According F.1.2.2.1.1 of EN81-1/2 and clause 5.2.2.2.2 of EN81-50 an endurance test must be made. For this test a special testing apparatus was designed. With 60.0 rpm the actuator rod was driven. A mechanical counter was installed to keep track of the number of complete cycles.

Test details #1

Start date / time	February 8 th , 2010 / 13:30
End date / time	March 5 th , 2010 / 16:00
Number of cycles	1.000.000



Resistive circuit

Test voltage 230 V

Test current 4.0 A

Test result: OK

Test details #2 for SPX4/+6

Start date / time August 30th, 2012 / 14:00

End date / time September 13th, 2012 / 07:50

Number of cycles 1.000.000

Test result: OK

Static test #1

To perform the static test a testweight of 102 kg was connected via a steel wire to the the locking device in opening direction. Test performed with Liftinstituut present.

Test details

Test date September 21th, 2016

Test weight 1000N

Test result: OK

Static test #1

To perform the static test a weight was linked to the locking pin.

Test details

Test date March 5th, 2010

Test weight 3000N

Test result: OK

Static test #2 for SPX4/+6

To perform the static test a force was exercised on the locking pin by use of a hydraulic press.

Test details

Test date September 13th, 2012

Test force 3000N

Test result: OK

Dynamic test #1

To perform the dynamic test a block was dropped on the locking pin. The dropping distance was 50 cm.

Test details

Test date March 5th, 2010

Test weight 4 kg

Dropping distance 50 cm

Test result: OK



Dynamic test #2 for SPX4/+6

To perform the dynamic test a block was dropped on the locking pin. The dropping distance was 50 cm.

Test details

Test date September 13th, 2012
Test weight 4 kg
Dropping distance 50 cm

Test result: OK

3.2 Electrical tests SPX4

The electrical features of SPX4/+6 have not been tested because it is similar to the already tested versions.

Endurance test, see 3.1 Mechanical tests.

Test result: OK

Test of ability to break circuit

In accordance with 60947-5-1 an circuit was made with a resistor and choke in series.

Test details

Test date March 5th, 2010
Circuit
Test voltage 253 Vac
Test current 22.1 A
Cos ϕ 0,7 = 45°

Test result: OK

Test for resistance of leakage currents

This test is not performed but based on the values from prior tests made by the manufacturers supplier these values go beyond the requirements of the EN81-1/2 and EN81-20/50. The CTI value for Lexan 500 (10 % glass fibre) is 175V. The minimum value requested according to the mentioned standards is 175V. Also different literature confirm these values.

3.3 Mechanical tests SPX4/EX

Endurance test

According F.1.2.2.1.1 of EN81-1/2 and clause 5.2.2.2.2 of EN81-50 an endurance test must be made. For this test a specials testing apparatus was designed. With 60.0 rpm the actuator rod was driven. A mechanical counter was installed to keep track of the number of complete cycles.

Test details

Start date / time June 09th, 2011 / 14:30
End date / time June 23th, 2011 / 08:00



Number of cycles 1.000.000

Resistive circuit

Test voltage 230 V

Test current 4.0 A

Test result: OK

Static test

To perform the static test a force, by a hydraulic press, was applied to the locking pin.

Test details

Test date June 23th, 2011

Test weight 3000N

Test result: OK

Dynamic test

To perform the dynamic test a block was dropped on the locking pin. The dropping distance was 50 cm.

Test details

Test date June 23th, 2011

Test weight 4 kg

Dropping distance 50 cm

Test result: OK

3.4 Electrical tests:

Endurance test

see 3.3 Mechanical tests

Test result: OK

Test of ability to break circuit

In accordance with 60947-5-1 an circuit was made with a resistor and choke in series.

Test date June 23th, 2011

Circuit

Test voltage 253 Vac

Test current 22.0 A

Cos φ 0,7 = 45°

Test result: OK

Test for resistance of leakage currents

This test is not performed but based on the values from prior tests made by the manufacturers supplier these values go beyond the requirements of the EN81-1/2 and EN81-20/50. The CTI value for Lexan 500 (10 % glass fibre) is 175V. The minimum value requested according to the mentioned standards is 175V. Also different literature confirm these values.

ATEX tests and DC tests were performed for the Steute Ex 13 R 1Ö/1S (Cat. II) locking contact. Physikalisch-Technische Bundesanstalt in Braunschweig performed these ATEX tests. We adopted the results in our EU-type examination.

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. The load tests passed without remarks.

5. Conditions

On the EU type-examination certificate the following conditions apply:

- The door lock shall be used for swing doors only.
- The door locking device shall be applied within rated current and voltage 2.0 A / 230 VAC or 0.25 A / 230 VDC.
- The SPX4/EX lock shall always have the Steute Ex 13 R 1Ö/1S (Cat. II) locking contact.
- The user manual shall be provided with the component.
- Max. door gap at locking side shall be 12.0 mm. In case of SPX4/+6 this can be increased till 18.0 mm maximum.
- Locking distance before making contact must be at least 7 mm.
- The SPX4 with locking pin without chamfer may only be used for the bottom landing door in case this door is the only access to the well pit and if the requirements of §7.7.2.2 of EN 81-1/2 are not applicable.
- The position of the unlocking triangle shall be according to clause 5.3.9.3.2 of EN81-20.

6. Conclusions

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

The EU-type examination certificate is only valid for products which are in conformity with the same specifications as the type certified product. The 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 certificate.

7. CE marking and EU Declaration of conformity

Every safety component that is placed on the market in complete conformity with the examined type must be provided with a CE marking according to article 18 of the Lift directive 2014/33/EU under consideration that conformity with eventually other applicable Directives is proven. Also every safety component must be accompanied by an EU declaration of conformity according to annex II of the Directive in which the name, address and Notified Body identification number of Liftinstituut B.V. must be included as well as the number of the EU-type examination certificate.

An EU type-certified safety component shall be random checked e.g. according to annex IX of the Lift directive 2014/33/EU before these safety components may be CE-marked and may be placed on the market. For further information see regulation 2.0.1 'Regulations for product certification' on www.liftinstituut.com.

Prepared by:



W. Visser
Product Specialist Certification
Liftinstituut B.V.

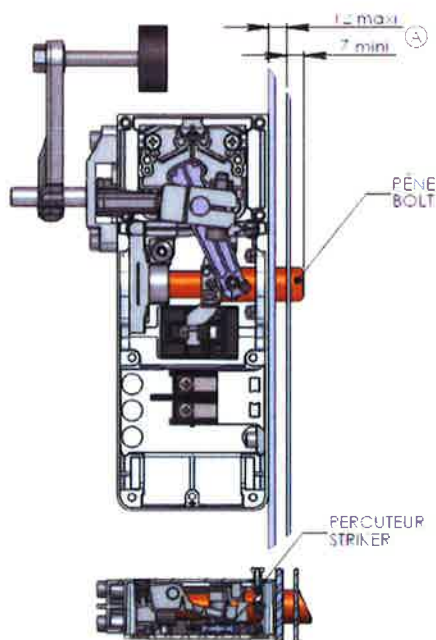
Certification decision by:



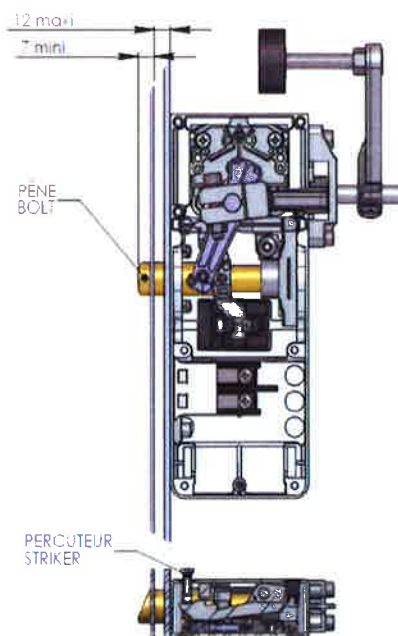


Annexes

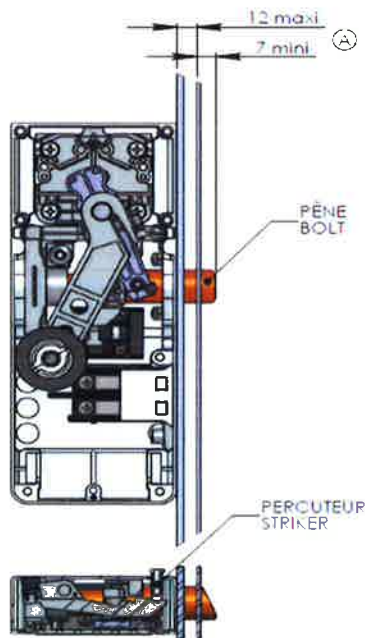
Annex 1a. Door locking device SPX4



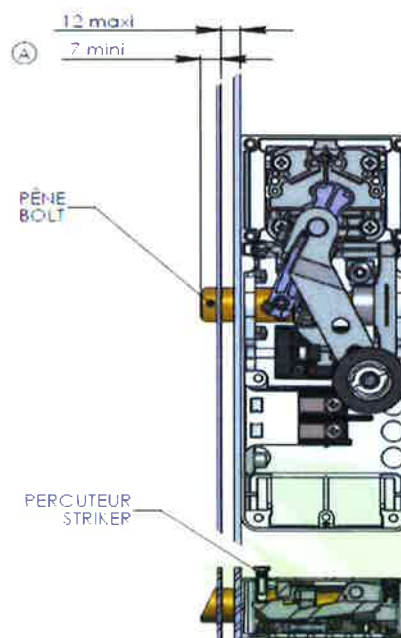
SPX4-O/PG



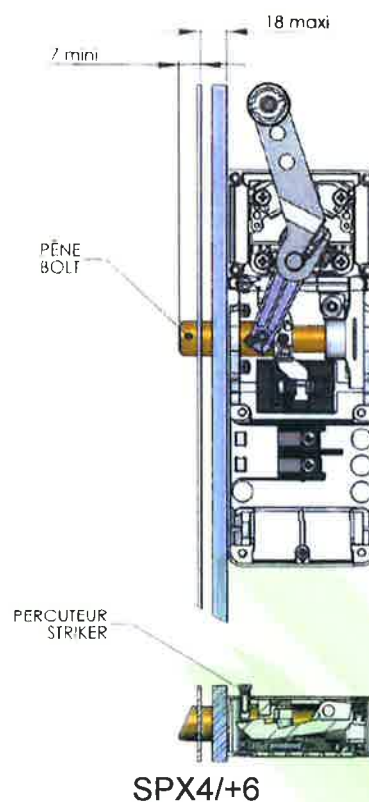
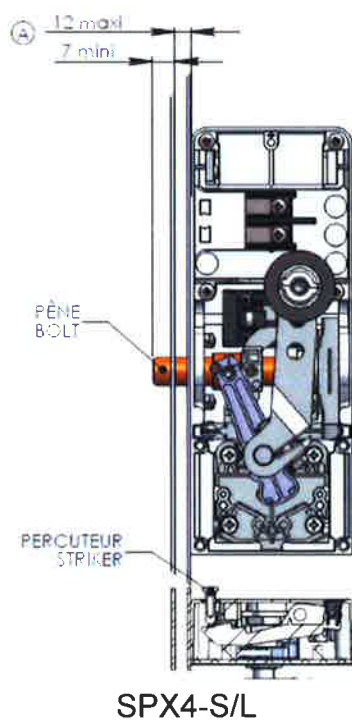
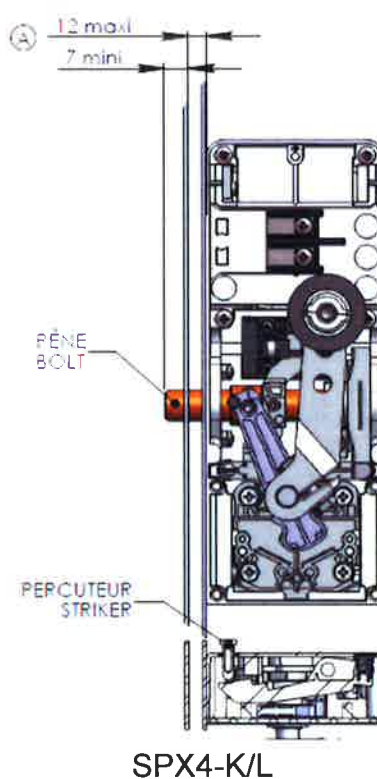
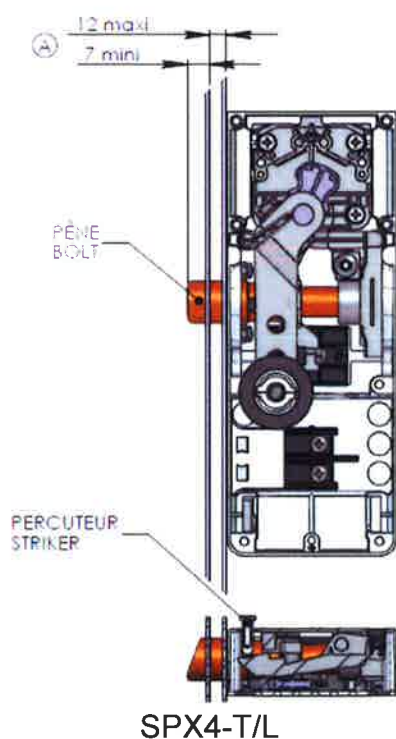
SPX4-O/PL



SPX4-O/LG

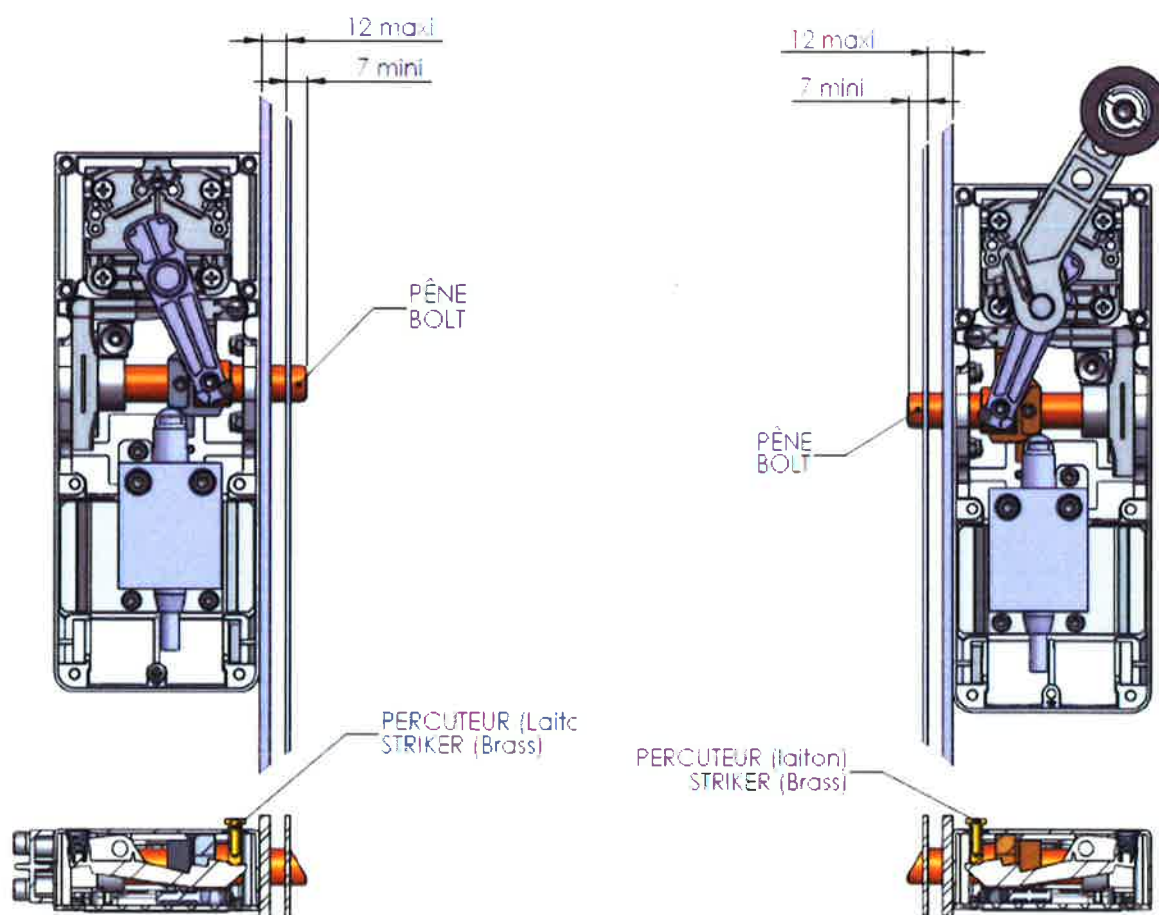


SPX4-O/LD





Annex 1b. Door locking device SPX4/EX



SPX4/EX/P1

SPX4/EX/L

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

title	document number	date
Installation manual SPX4	Version 03	13-09-2012
Drawing X4-E-001_LI-2	Rev A	27-07-2009
Drawing X4-E-015_LI-2	Rev.A	09-07-2009
Drawing X4-E-016_LI-2	Rev A	10-07-2009
Drawing X4-E-017_LI-2	Rev A	13-07-2009
Drawing X4-E-019_LI-2	Rev A	23-07-2009
Drawing X4-E-032_LI-2	Rev.A	22-07-2009
Drawing X4-E-035_LI-2	Rev A	23-07-2009
Drawing X4-E-036_LI-2	Rev A	27-07-2009
Drawing X4-E-250_LI-2	Rev. -	17-07-2012

Drawing X4-E-198 LI-2	Rev -	19-04-2011
Drawing X4-E-204 LI-2	Rev.-	01-06-2011
Drawing X4-E-208 LI-2	Rev -	23-06-2011
Drawing X4-E-212 LI-2	Rev -	23-06-2011
Installation manual SPX4/EX	Version 01	27-06-2011

Annex 3. Reviewed deviations from the standards

EN xx-x par.	Requirement	Accepted design
x.x.x		

Annex 4. Revision overview

REVISIONS OF THE CERTIFICATE AND THE REPORT

Rev.:	Date	Summary of revision
-	05-03-2010	Original
1	28-07-2010	Adding locking pin without chamfer
2	15-02-2011	Change of maximum allowable door gap
3	13-09-2012	Change of locking pin dimensions for SPX4/+6 version
4	01-08-2017	Update to EN81-20/50 and 2014/33/EU. Inserted 1002-125-03 certification.