



Thesis 2.0

**Electronic
lock
(dropbolt)**



Thesis 2.0

Thesis 2.0 is a range of electro-mechanical locks which transforms a simple door in a smart access and makes it even safer and more functional thanks to its performances.

Unlike the traditional electric locks, its security status is automatically restored with a locking time which can be set according to any needs.

The Thesis 2.0 models ensure a high anti-intrusion security, and the opening operation can be controlled by transponders, contactless cards and/or PIN codes.

The range of Stylos credential readers and controllers dialog with Thesis 2.0 Standard in a direct way through Lockbus interface, i.e. without intermediate electronic devices.

Key Points

The technology and materials chosen for THESIS 2.0 Standard guarantee its durability, which is much longer than the standard requirements.

Innovative electronics with power reserve (booster) guaranteeing an efficient deadbolt movement in difficult operating conditions: even with 8 Volts only.

Power supply from 8 to 30Vdc 1A. Its operation is guaranteed also in complex installations and critical situations. Flexible installation conditions and low power consumption.

Thesis 2.0 guarantees a trouble-free operation even if installed horizontally. It represents the ideal solution for automatic sliding doors.

The Lockbus interface allows the direct connection with Iseo Stylos Line credential readers, for a simple but effective access control management.

It can operate in interlock mode (manual or automatic) for bidirectional doors without any external control device.



Thesis 2.0 Range



Thesis 2.0 Standard

A steel deadbolt with a 20 mm extension ensures a high anti-intrusion security (level 3 according to EN12209 standard).

Available both Fail Secure mode (N.C. Normally Closed) and Fail Safe mode (N.O. Normally Open) versions.



Thesis 2.0 Standard Latchbolt

It has the same features of the Standard version. Thanks to its self-locking and self-ejecting latchbolt, it works also as a traditional mechanical security lock.

It guarantees door locking, even if in case of lack of power supply, always in maximum security and comfort.

A steel autolocking self-ejecting latchbolt with a 20 mm extension ensures a high anti-intrusion security (level 3 according to EN12209 standard).

The latchbolt ensures a typical mechanic lockcase functioning also in absence of the power supply. The door closing is always effective thanks to the latchbolt function.

Available only in Fail Secure mode (N.C. Normally Closed) version.



Thesis 2.0 Professional

It is the Heavy Duty version of the Thesis 2.0 Standard. It combines the functions of the standard version to the soundness and anti-manipulation resistance, which make it the ideal solution for professional installations where maximum passive security and high use frequency are required, such as shops, banks and public offices entrances.

The technology and materials chosen for THESIS 2.0 Professional guarantee its durability, which is much longer than the standard requirements (even over 1 million operating cycles).

A hardened steel deadbolt with a 18 mm diameter, and 22 mm extension and a 4 mm stainless steel front plate ensure a high anti-intrusion security (level 7 according to EN12209 standard).

The operation is guaranteed even in case of a residual lateral load up to 15N and of a bad door alignment. This is why it is at the top of the market.

Available both Fail Secure mode (N.C. Normally Closed) and Fail Safe mode (N.O. Normally Open) versions.



Thesis 2.0 Professional Mini

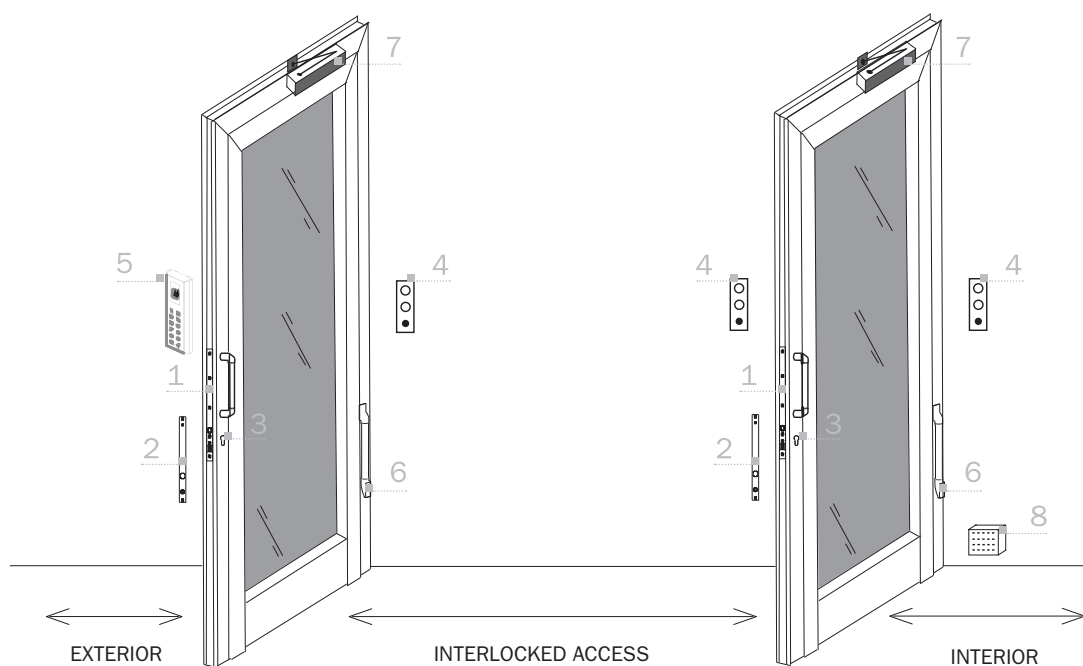
It has the same features as the Professional version but its case is smaller and it can't be operated through handle and cylinder. It is the ideal solution for installations where only the electric operation of the lock is required, eventually combined with other classic closing systems.

Available both Fail Secure mode (N.C. Normally Closed) and Fail Safe mode (N.O. Normally Open) versions.



Thesis 2.0

ON INTERLOCKED DOORS



1. Thesis 2.0 lock
2. Striking plate
3. European profile cylinder

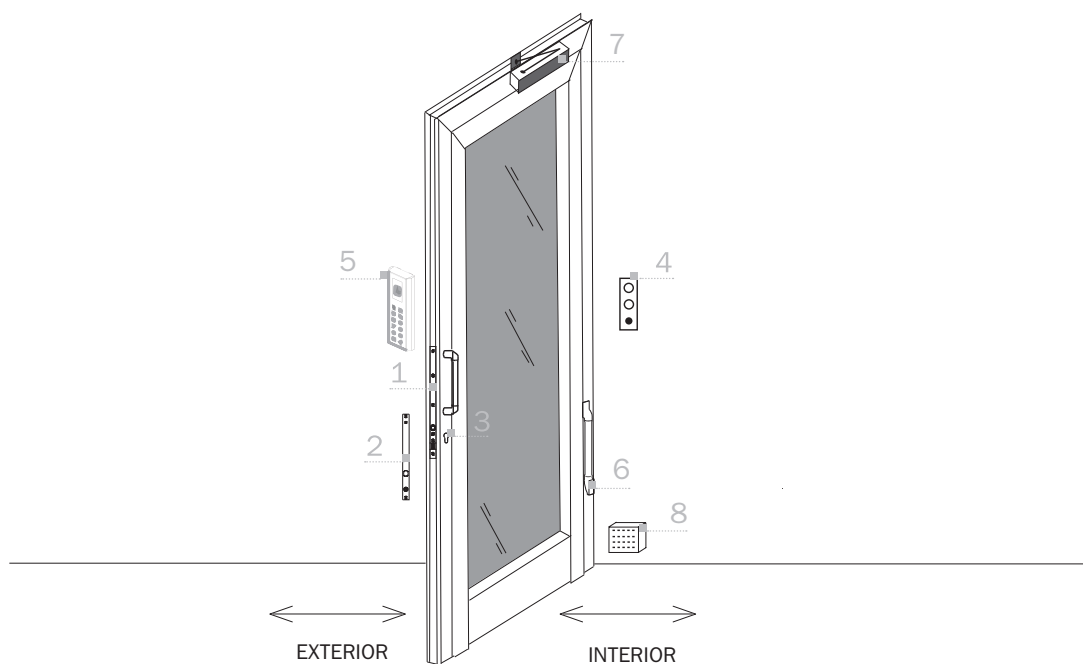
4. Status indicator with pushbutton
5. Stylus reader
6. Concealed lead covers

7. Door closer
8. Power supply unit



Thesis 2.0

ON SINGLE DOORS



- 1. Thesis 2.0 lock
- 2. Striking plate
- 3. European profile cylinder

- 4. Status indicator with pushbutton
- 5. Stylus reader
- 6. Concealed lead covers

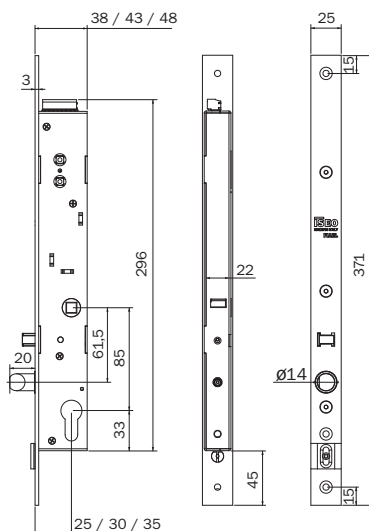
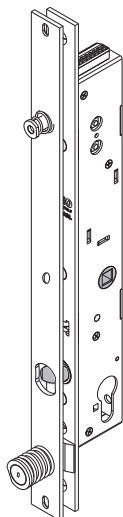
- 7. Door closer
- 8. Power supply unit



Code

Min. ord.
Multiple
package
Single
package

Thesis 2.0 Standard Latchbolt



DROPBOLT FAIL SECURE WITH HANDLE FOLLOWER.

Reversible hardened steel latchbolt, Ø14 mm diameter,

self-locking, self-ejecting function, 20 mm excursion.

Stainless steel front plate with alignment device.

Stainless steel striking plate with alignment device and in line
frame sensor.

Handle follower 8 mm.

European profile cylinder hole.

Fail Secure mode.

Package: 1 dropbolt, 1 striking plate, instruction manual, screws,
connector with rubber protection, handle follower.

Handle follower/cylinder centre distance 85 mm

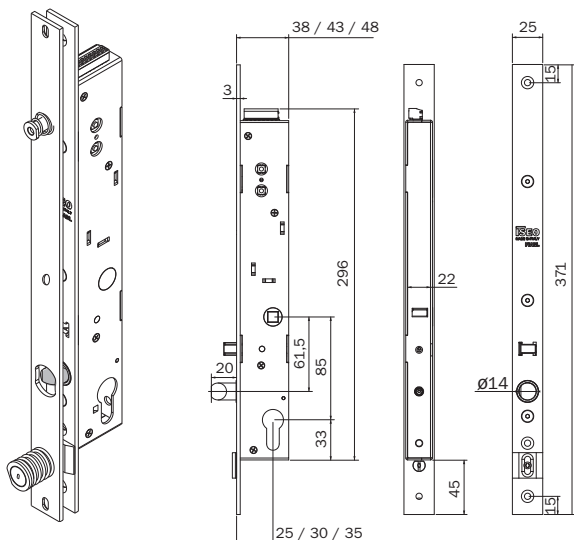
Single door software. Backset 25 mm.	07510802521	1	-	1
Single door software. Backset 30 mm.	07510803021	1	-	1
Single door software. Backset 35 mm.	07510803521	1	-	1
Manual interlock software. Backset 25 mm.	0751M802521	1	-	1
Manual interlock software. Backset 30 mm.	0751M803021	1	-	1
Manual interlock software. Backset 35 mm.	0751M803521	1	-	1
Automatic interlock software. Backset 25 mm.	0751A802521	1	-	1
Automatic interlock software. Backset 30 mm.	0751A803021	1	-	1
Automatic interlock software. Backset 35 mm.	0751A803521	1	-	1



Code

Min. ord.
Multiple
package
Single
package

Thesis 2.0 Standard Latchbolt



DROPBOLT FAIL SECURE WITHOUT HANDLE FOLLOWER.

Hardened steel latchbolt, Ø14 mm diameter,

self-ejecting function, 20 mm excursion.

Stainless steel front plate with alignment device.

Stainless steel striking plate with alignment device and in line frame sensor.

Without handle follower.

European profile cylinder hole.

Fail Secure mode.

Package: 1 dropbolt, 1 striking plate, instruction manual, screws, connector with rubber protection.

Single door software. Backset 25 mm.	07510002521	1	-	1
Single door software. Backset 30 mm.	07510003021	1	-	1
Single door software. Backset 35 mm.	07510003521	1	-	1
Manual interlock software. Backset 25 mm.	0751M002521	1	-	1
Manual interlock software. Backset 30 mm.	0751M003021	1	-	1
Manual interlock software. Backset 35 mm.	0751M003521	1	-	1
Automatic interlock software. Backset 25 mm.	0751A002521	1	-	1
Automatic interlock software. Backset 30 mm.	0751A003021	1	-	1
Automatic interlock software. Backset 35 mm.	0751A003521	1	-	1



Thesis 2.0 Professional

Thesis 2.0 Professional is the Heavy Duty version of the Thesis 2.0 Standard. It combines the functions of the standard version to the soundness and anti-manipulation resistance, which make it the ideal solution for professional installations where maximum passive security and high use frequency are required, such as shops, banks and public offices entrances. Thesis 2.0 transforms a simple door in a smart gate and makes it even safer and more functional because it restores automatically its security status thanks to the delayed time locking to be set directly from the end user according to his different needs. A steel deadbolt with a 22 mm extension ensures a high anti-intrusion security, and the opening operation can be controlled by transponders, contactless cards and/or PIN codes. The range of Stylos credential readers and controllers dialog with Thesis 2.0 Professional in a direct way through Lockbus interface, i.e. without intermediate electronic devices, creating flexible and effective electronic access control solutions.

Key points

The technology and materials chosen for THESIS 2.0 Professional guarantee its durability, which is much longer than the standard requirements (even over 1 million operating cycles).

A hardened steel deadbolt with a 18 mm diameter, and 22 mm extension and a 4 mm stainless steel front plate ensure a high anti-intrusion security (level 7 according to EN12209 standard).

The operation is guaranteed even in case of a residual lateral load up to 15N and of a bad door alignment. This is why it is at the top of the market.

Innovative electronics with power reserve (booster) guaranteeing an efficient deadbolt movement in difficult operating conditions: even with 8V only!

Power supply from 8 to 30Vdc 1A. Its operation is guaranteed also in complex installations and critical situations. Flexible installation conditions and low power consumption.

Thesis 2.0 Professional guarantees a trouble-free operation even if installed horizontally. It represents the ideal solution for automatic sliding doors.

The Lockbus interface allows the direct connection with Iseo Stylos Line credential readers, for a simple but effective access control management.

Available both Fail Secure mode (N.C. Normally Closed) and Fail Safe mode (N.O. Normally Open) versions.

It can operate in interlock mode (manual or automatic) for double doors without any external control device.



It is certified

Thesis 2.0 Professional is conceived and manufactured in compliance with European standards EN 14846:08, with the following classification:



(*) 0 = in combination with STATUS INDICATOR
1 = in combination without STATUS INDICATOR



Thesis 2.0 Professional



Technical features

Backset: 30/35/40 mm

Deadbolt:

- hardened steel;
- diameter Ø18 mm;
- single throw
- extension 22 mm.

European profile cylinder hole

Handle follower (optional): 8 mm;

Centre distance between handle follower and cylinder: 85 mm

Front plate:

- inox steel;
- 30x371 mm – thickness 4 mm;
- door positioning sensor and alignment device;

Striking plate:

- Inox steel;
- 30x371 mm – thickness 4 mm;
- adjustable depending on the distance between the lock and the striking plate;

Case dimensions:

- thickness 27 mm
- length 280 mm
- depth 44/49/54 mm

DC supply voltage range: 8÷30Vdc.

Max. absorbed current power in operation: 1A.

CC power supply min. characteristics: 8÷30 VDC15W.

Opening control:

- opto-isolated input 8÷24Vdc/12Vac;

Max voltage and current applicable to signalling relay:

- 24Vdc 1A;
- 120Vac 0.5A;

Programmable status signal:

- secured door status;
- door status;
- latchbolt status;
- command for motorized door opener;

Lockbus connection:

- data communication and power supply on the same 3 wire connections;
- maximum length 100 mt;
- secure devices authentication;
- encrypted data transmission for high security against hacking;

Adjustable timings:

- door opening time (courtesy time): 1÷180 sec. (15 sec. default);
- delayed closure time (at closing of the door): 1÷60 sec. (1 sec. default).



Thesis 2.0 Professional

Environmental features:

- operating temperature: -20°C÷+60°C;
- storage temperature: -25°C÷+70°C;
- protection level (IP grading): IP44;

Reference Standard: EN 14846:2008;

grading: 3 H 8 0 0 E 7 0 1

3 H 8 0 0 E 7 1 1 (in combination with status indicator)

Options and versions:

With and without handle follower

Operating modes in case of power failure:

- Fail Secure mode (N.C. Normally Closed)
- Fail Safe mode (N.O. Normally Open)

Operating software:

- single door;
- bidirectional doors with manual interlock functionality (*);
- bidirectional doors with automatic interlock functionality (*);

(*) direct connection between the 2 lock with encrypted communication

Lockbus

LOCAL BUS

All devices belonging of the THESIS range are compatible with ISEO Lockbus.

Lockbus is a powerful multipoint bus sharing data transmission and power supply on the same 3-wire connection for utmost flexibility, easy installation and consequently, cost optimization.

Lockbus highlights:

Data transmission and power supply on the same 3-wire connection up to 100 m;

Self-adjusting power supply from 8Vdc to 30Vdc;

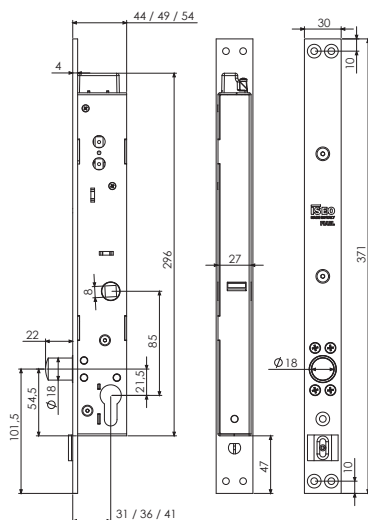
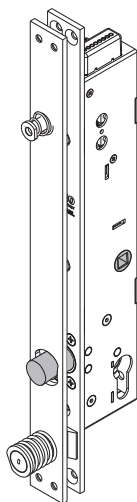
Secure device authentication (among readers and actuators) and encrypted data transmission for high security against manipulation.



Code

Min. ord.
Multiple
package
Single
package

Thesis 2.0 Professional



DROPBOLT FAIL SECURE WITH HANDLE FOLLOWER.

Hardened steel bolt, $\varnothing 18$ mm diameter, one throw, 22 mm excursion.

Stainless steel front plate with alignment device.

Stainless steel striking plate with alignment device and in line frame sensor.

Handle follower 8 mm.

European profile cylinder hole.

Fail Secure mode.

Package: 1 dropbolt, 1 striking plate, instruction manual, screws, connector with rubber protection, handle bracket.

Handle follower/cylinder centre distance 85 mm

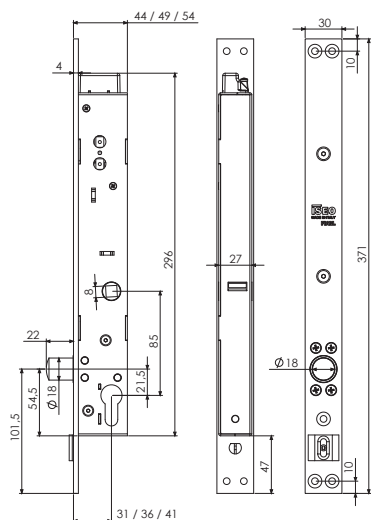
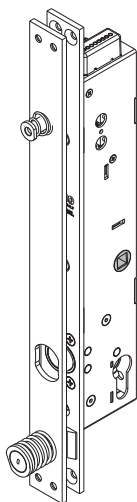
Single door software. Backset 30 mm.	07600823021	1	-	1
Single door software. Backset 35 mm.	07600823521	1	-	1
Single door software. Backset 40 mm.	07600824021	1	-	1
Manual interlock software. Backset 30 mm.	0760M823021	1	-	1
Manual interlock software. Backset 35 mm.	0760M823521	1	-	1
Manual interlock software. Backset 40 mm.	0760M824021	1	-	1
Automatic interlock software. Backset 30 mm.	0760A823021	1	-	1
Automatic interlock software. Backset 35 mm.	0760A823521	1	-	1
Automatic interlock software. Backset 40 mm.	0760A824021	1	-	1



Code

Min. ord.
Multiple
package
Single
package

Thesis 2.0 Professional



DROPBOLT FAIL SAFE WITH HANDLE FOLLOWER.

Hardened steel bolt, Ø18 mm diameter, one throw, 22 mm excursion.

Stainless steel front plate with alignment device.

Stainless steel striking plate with alignment device and in line frame sensor.

Handle follower 8 mm.

European profile cylinder hole.

Fail Safe mode.

Package: 1 dropbolt, 1 striking plate, instruction manual, screws, connector with rubber protection, handle bracket.

Handle follower/cylinder centre distance 85 mm

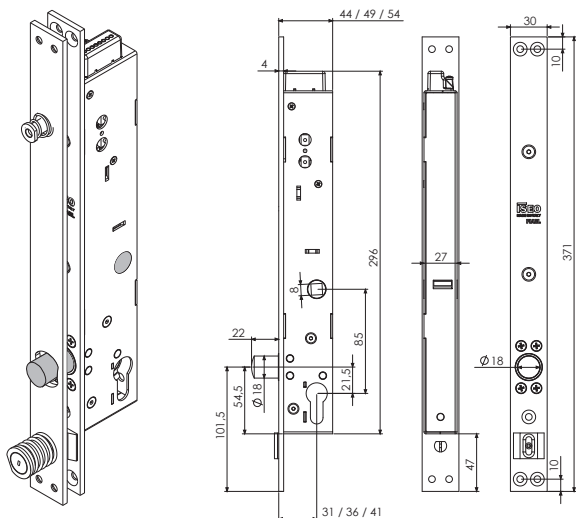
Single door software. Backset 30 mm.	07600823022	1	-	1
Single door software. Backset 35 mm.	07600823522	1	-	1
Single door software. Backset 40 mm.	07600824022	1	-	1
Manual interlock software. Backset 30 mm.	0760M823022	1	-	1
Manual interlock software. Backset 35 mm.	0760M823522	1	-	1
Manual interlock software. Backset 40 mm.	0760M824022	1	-	1
Automatic interlock software. Backset 30 mm.	0760A823022	1	-	1
Automatic interlock software. Backset 35 mm.	0760A823522	1	-	1
Automatic interlock software. Backset 40 mm.	0760A824022	1	-	1



Code

Min. ord.
Multiple
package
Single
package

Thesis 2.0 Professional



DROPBOLT FAIL SECURE WITHOUT HANDLE FOLLOWER.

Hardened steel bolt, Ø14 mm diameter, one throw, 20 mm excursion.

Stainless steel front plate with alignment device.

Stainless steel striking plate with alignment device and in line frame sensor.

No handle follower.

European profile cylinder hole.

Fail Secure mode.

Package: 1 dropbolt, 1 striking plate, instruction manual, screws, connector with rubber protection.

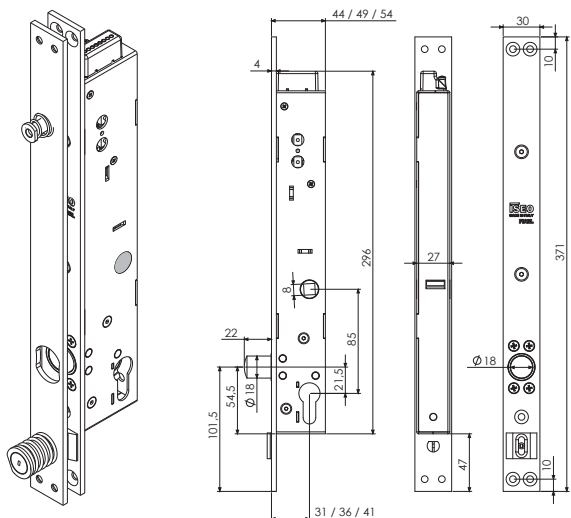
Single door software. Backset 30 mm.	07600023021	1	-	1
Single door software. Backset 35 mm.	07600023521	1	-	1
Single door software. Backset 40 mm.	07600024021	1	-	1
Manual interlock software. Backset 30 mm.	0760M023021	1	-	1
Manual interlock software. Backset 35 mm.	0760M023521	1	-	1
Manual interlock software. Backset 40 mm.	0760M024021	1	-	1
Automatic interlock software. Backset 30 mm.	0760A023021	1	-	1
Automatic interlock software. Backset 35 mm.	0760A023521	1	-	1
Automatic interlock software. Backset 40 mm.	0760A024021	1	-	1



Code

Min. ord.
Multiple
package
Single
package

Thesis 2.0 Professional



DROPBOLT FAIL SAFE WITHOUT HANDLE FOLLOWER.

Hardened steel bolt, Ø18 mm diameter, one throw, 22 mm excursion.

Stainless steel front plate with alignment device.

Stainless steel striking plate with alignment device and in line frame sensor.

No handle follower.

European profile cylinder hole.

Fail Safe mode.

Package: 1 dropbolt, 1 striking plate, instruction manual, screws, connector with rubber protection.

Single door software. Backset 30 mm.	07600023022	1	-	1
Single door software. Backset 35 mm.	07600023522	1	-	1
Single door software. Backset 40 mm.	07600024022	1	-	1
Manual interlock software. Backset 30 mm.	0760M023022	1	-	1
Manual interlock software. Backset 35 mm.	0760M023522	1	-	1
Manual interlock software. Backset 40 mm.	0760M024022	1	-	1
Automatic interlock software. Backset 30 mm.	0760A023022	1	-	1
Automatic interlock software. Backset 35 mm.	0760A023522	1	-	1
Automatic interlock software. Backset 40 mm.	0760A024022	1	-	1



Thesis 2.0 Professional Mini

Thesis 2.0 Professional Mini has the same features as the Professional version but its case is smaller and it can't be operated through handle and cylinder. It is the ideal solution for installations where only the electric operation of the lock is required, eventually combined with other classic closing systems. A steel deadbolt with a 22 mm extension ensures a high anti-intrusion security, and the opening operation can be controlled by transponders, contactless cards and/or PIN codes. The range of Stylos credential readers and controllers dialog with Thesis 2.0 Professional Mini in a direct way through Lockbus interface, i.e. without intermediate electronic devices, creating flexible and effective electronic access control solutions.

Key points

The technology and materials chosen for THESIS 2.0 Professional Mini guarantee its durability, which is much longer than the standard requirements (even over 1 million operating cycles).

A hardened steel deadbolt with a 18 mm diameter, a 22 mm extension and a 4 mm stainless steel front plate ensure a high anti-intrusion security (level 7 according to EN12209 standard).

The operation is guaranteed even in case of a residual lateral load up to 15N and of a bad door alignment. This is why it is at the top of the market.

Innovative electronics with power reserve (booster) guaranteeing an efficient deadbolt movement in difficult operating conditions: even with 8V only!

Power supply from 8 to 30 VDC 1A. Its operation is guaranteed also in complex installations and critical situations. Flexible installation conditions and low power consumption.

Thesis 2.0 Professional Mini guarantees a trouble-free operation even if installed horizontally. It represents the ideal solution for automatic sliding doors.

The Lockbus interface allows the direct connection with Iseo Stylos Line credential readers, for a simple but effective access control management.

Available both Fail Secure mode (N.C. Normally Closed) and Fail Safe mode (N.O. Normally Open) versions.

It can operate in interlock mode (manual or automatic) for double doors without any external control device.



It is certified

Thesis 2.0 Professional Mini is conceived and manufactured in compliance with European standards EN 14846:08, with the following classification:



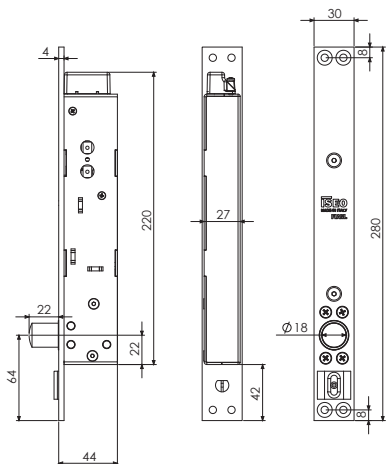
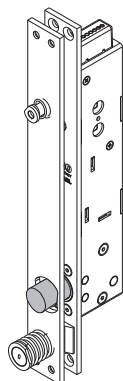
(*) 0 = in combination with STATUS INDICATOR
1 = in combination without STATUS INDICATOR



Code

Min. ord.
Multiple
package
Single
package

Thesis 2.0 Professional Mini



DROPBOLT FAIL SECURE WITHOUT HANDLE FOLLOWER.

Hardened steel bolt, Ø18 mm diameter,
one throw 22 mm excursion.

Stainless steel front plate with alignment device.

Stainless steel striking plate with alignment device and in line
frame sensor.

Fail Secure mode.

Package: 1 dropbolt, 1 striking plate, instruction manual, screws,
connector with rubber protection.

Single door software.	07800020021	1	-	1
Manual interlock software.	0780M020021	1	-	1
Automatic interlock software.	0780A020021	1	-	1



Code

Min. ord.
Multiple
package
Single
package

Accessories



Deadbolt with gorges, assembled, for locks for metal frames series 981-983.
Three mm 79 keys.

980000

10 - 10



Roller for double-bit modular lock. With nylon insert for adjustable striking plates.
Spring. Spring plate.

040820

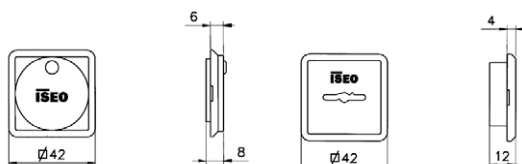
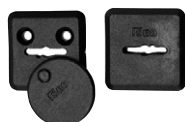
10 - 10



Cap for double-bit modular locks. In nickel-plated zamak. To be fitted instead of the latchbolt
for only deadbolt version. Screw.

040830

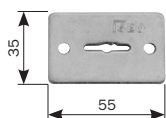
10 - 10



Pair of nylon key-guides for locks series 961-963-981-983.

990808

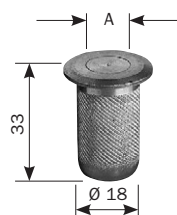
30 - 30



Pair of key-guiding escutcheons for double-bit locks. In zinc-plated steel mm 55x35. For locks
series 661-663-961-963-981-983

990846

10 - 10



Brass floor socket with antidust spring cap for rods. Inside hole \varnothing 12.

990807

10 - 10



Roller nylon insert for adjustable striking plates 0386*. For locks series 78*.

040880

10 - 10