



ISEO Zero1

ELECTRONIC
SOLUTIONS



ISEO Zero1

ELECTRONIC SOLUTIONS

1 ACCESS CONTROL

2 ELECTRONIC LOCKS

3 EMERGENCY EXIT CONTROLS

4 FIRE DOOR CONTROLS AND FIRE PREVENTION

5 ELECTRIC LOCKS





**Electronic
locks**

Electronic locks

Iseo electronic locks combine the features functionalities of high security mechanical locks with the electronic management in order to increase door security and comfort for end users.

Thanks to motors or electromagnets, the electronic control allows automate locks' opening and/or closing movements. Thus the security of the door is guaranteed in any situation.

The sensors within the locks allow to integrate them in monitoring and building management systems.

Our range of electronic locks includes different models, meets any installation and functionality needs and suits to any types of doors.

Iseo electronic locks have been conceived and manufactured according to European standards and have obtained different product certifications in order to meet specific national and international legal requirements.

The electronic locks are supplied with Lockbus interface, can be integrated in any Iseo access control system and don't require any further interface modules. Therefore the installation and the communication security have been optimized.

THESIS 2.0

Top Exit DGT

Multiblindo  Motion

x1R

Thesis 2.0

Standard



Thesis 2.0 Standard 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.

A steel deadbolt with a 20 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 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.

A steel deadbolt with a 20 mm extension ensures a high anti-intrusion security (EN12209).

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 Standard 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 bidirectional doors without any external control device.



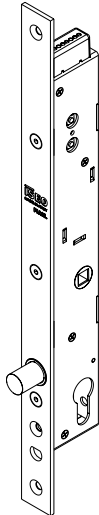
It is certified

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

3	C	8	0	0	G	3	0	1
3	C	8	0	0	G	3	1	1

*in combination with STATUS INDICATOR

THESIS 2.0 Standard



Technical features

Backset: 25/30/35 mm

Deadbolt:

- hardened inox steel;
- cutting resistant (free rotating);
- Ø14 mm diameter;
- single throw;
- 20 mm extension.

European profile cylinder hole.

Handle follower (optional): 8 mm;

Centre distance between handle follower and cylinder: 85 mm

Front plate:

- inox steel;
- 25x371 mm – thickness 3 mm;
- door positioning sensor and alignment device.

Striking plate:

- Inox steel;
- 25x330 mm – thickness 3 mm;
- adjustable depending on the distance between the lock and the striking plate;

Case dimensions:

- thickness 22 mm
- length 280 mm
- depth 38/43/48 mm

DC supply voltage range: 8÷30Vdc.

Max. absorbed current power in operation: 1A.

CC power supply min. characteristics: 8÷30Vdc15W.

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;
- bolt 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 Standard

Environmental features:

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

Reference Standard: UNI EN 14846:2008;

grading: 3 C 8 0 0 G 3 0 1

3 C 8 0 0 G 3 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 multipeint bus sharing data transmission and power supply on the same 3-wire connection for utmost flexibility, easy installation and consequently, cost optimization.

Lockbus highlights:

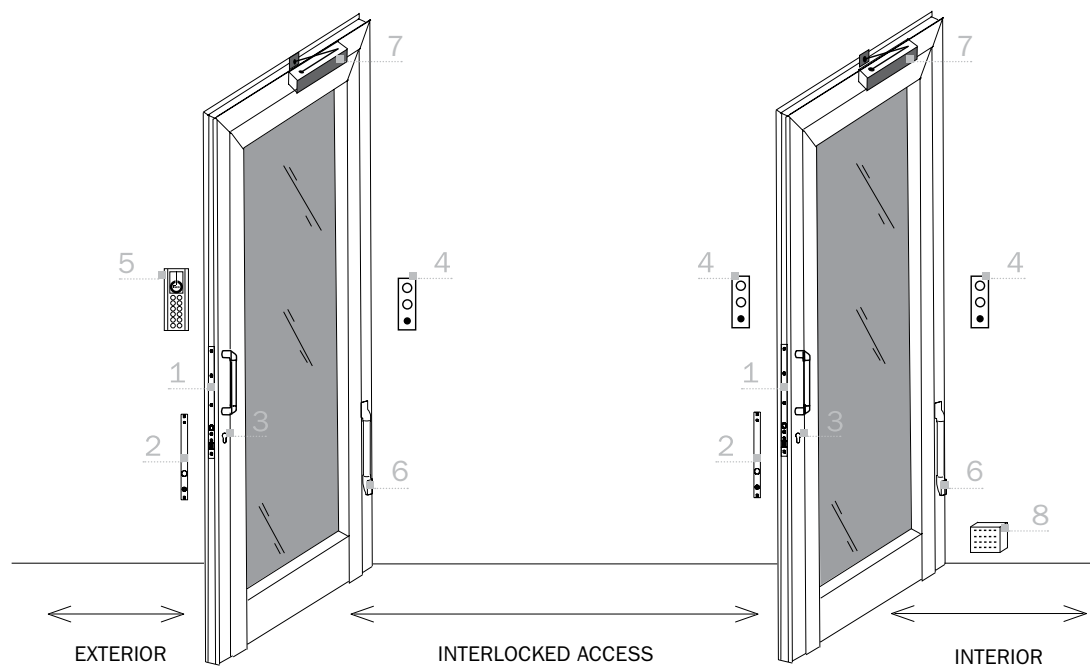
Data transmission and power supply on the same 3-wire connection up to 100 m;

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

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

THESIS 2.0 Standard

ON INTERLOCKED DOORS



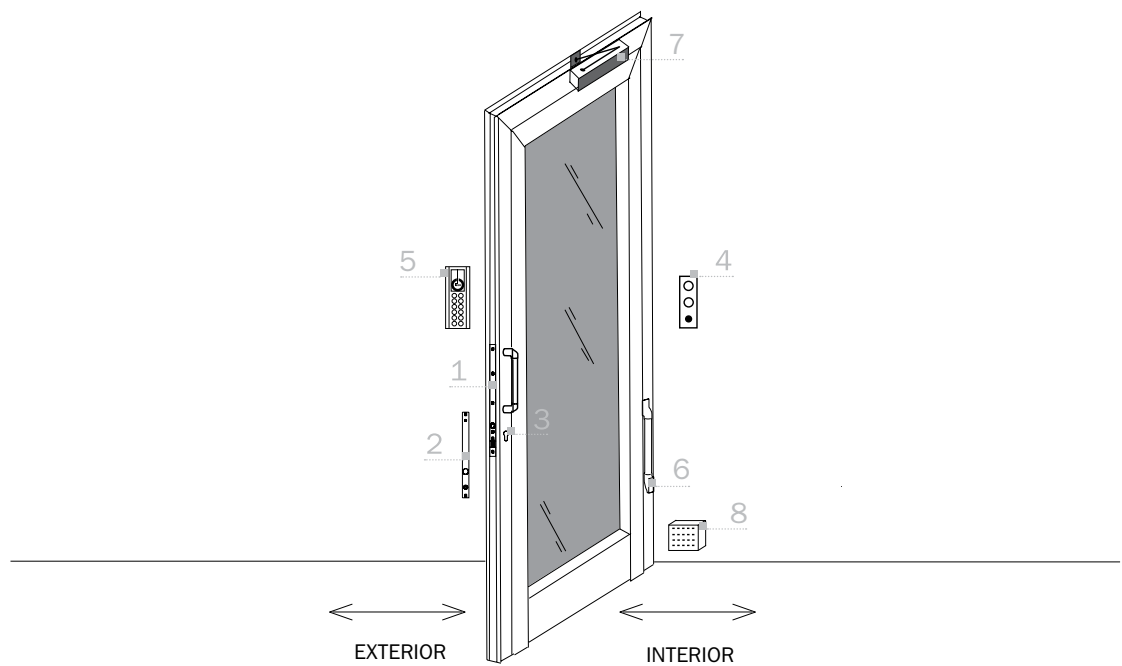
1. Thesis 2.0 Standard lock
2. Striking plate
3. European profile cylinder

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

7. Door closer
8. Power supply unit

THESIS 2.0 Standard

ON SINGLE DOORS



- 1. Thesis 2.0 Standard 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



Package

Code

THESIS 2.0 Standard



DROPBOLT FAIL SECURE WITH 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.

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.	1	07500802521
Single door software. Backset 30 mm.	1	07500803021
Single door software. Backset 35 mm.	1	07500803521

Manual interlock software. Backset 25 mm.	1	0750M802521
Manual interlock software. Backset 30 mm.	1	0750M803021
Manual interlock software. Backset 35 mm.	1	0750M803521

Automatic interlock software. Backset 25 mm.	1	0750A802521
Automatic interlock software. Backset 30 mm.	1	0750A803021
Automatic interlock software. Backset 35 mm.	1	0750A803521



Package

Code

THESIS 2.0 Standard



DROPBOLT FAIL SAFE WITH 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.

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 follower.

Handle follower/cylinder centre distance 85 mm

Single door software. Backset 25 mm. 1 **07500802522**

Single door software. Backset 30 mm. 1 **07500803022**

Single door software. Backset 35 mm. 1 **07500803522**

Manual interlock software. Backset 25 mm. 1 **0750M802522**

Manual interlock software. Backset 30 mm. 1 **0750M803022**

Manual interlock software. Backset 35 mm. 1 **0750M803522**

Automatic interlock software. Backset 25 mm. 1 **0750A802522**

Automatic interlock software. Backset 30 mm. 1 **0750A803022**

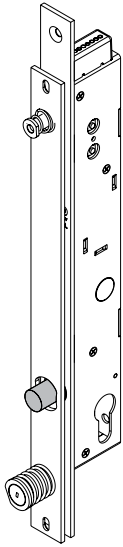
Automatic interlock software. Backset 35 mm. 1 **0750A803522**



Package

Code

THEISIS 2.0 Standard



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 25 mm.	1	07500002521
Single door software. Backset 30 mm.	1	07500003021
Single door software. Backset 35 mm.	1	07500003521

Manual interlock software. Backset 25 mm.	1	0750M002521
Manual interlock software. Backset 30 mm.	1	0750M003021
Manual interlock software. Backset 35 mm.	1	0750M003521

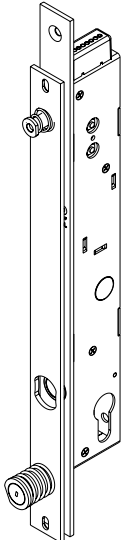
Automatic interlock software. Backset 25 mm.	1	0750A002521
Automatic interlock software. Backset 30 mm.	1	0750A003021
Automatic interlock software. Backset 35 mm.	1	0750A003521



Package

Code

THESIS 2.0 Standard



DROPBOLT FAIL SAFE 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.

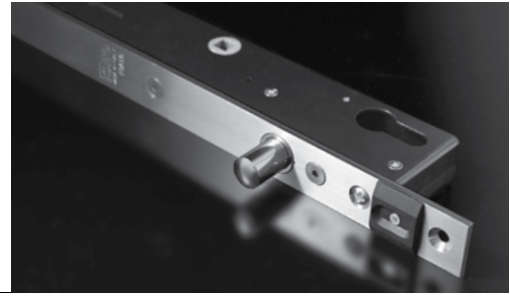
Fail Safe mode.

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

Single door software. Backset 25 mm.	1	07500002522
Single door software. Backset 30 mm.	1	07500003022
Single door software. Backset 35 mm.	1	07500003522
Manual interlock software. Backset 25 mm.	1	0750M002522
Manual interlock software. Backset 30 mm.	1	0750M003022
Manual interlock software. Backset 35 mm.	1	0750M003522
Automatic interlock software. Backset 25 mm.	1	0750A002522
Automatic interlock software. Backset 30 mm.	1	0750A003022
Automatic interlock software. Backset 35 mm.	1	0750A003522

Thesis 2.0

Standard Latchbolt



Thesis 2.0 Standard Latchbolt 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 in case of lack of power supply, always in maximum security and comfort.

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) ensuring an efficient bolt movement in difficult operating conditions: even with 8 Volts only.

A steel autolocking self-ejecting **latchbolt** with a 20 mm extension ensures a high anti-intrusion security (EN12209).

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.

Power supply from 8 to 30Vdc 1A. Flexible installation conditions and low power consumption.

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 bidirectional doors without any external control device.



It is certified

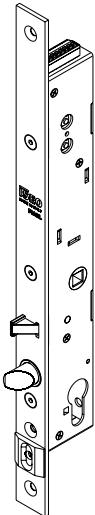
Thesis 2.0 Standard Latchbolt is conceived and manufactured in compliance with European standards UNI EN 14846:08, with the following classification:

3 C 8 0 0 G 3 0 1

3 C 8 0 0 G 3 1 1 (*)

(*) in combination with STATUS INDICATOR

THESIS 2.0 Standard Latchbolt



Technical features

Backset: 25/30/35 mm

Latchbolt:

- hardened inox steel;
- Ø14 mm diameter;
- self-ejecting (mechanical);
- 20 mm extension;

European profile cylinder hole

Handle follower (optional): 8 mm;

Centre distance between handle follower and cylinder: 85 mm

Front plate:

- inox steel;
- 25x371 mm – thickness 3 mm;
- door positioning sensor and alignment device;

Striking plate:

- Inox steel;
- 25x330 mm – thickness 3 mm;
- adjustable depending on the distance between the lock and the striking plate;

Case dimensions:

- thickness 22 mm
- length 280 mm
- depth 38/43/48 mm

DC supply voltage range: 8÷30Vdc.

Max. absorbed current power in operation: 1A.

CC power supply min. characteristics: 8÷30Vdc 15W.

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);

THEESIS 2.0 Standard Latchbolt

Environmental features:

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

Reference Standard: UNI EN 14846:2008;

grading: 3 C 8 0 0 G 3 0 1

3 C 8 0 0 G 3 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)

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 THEESIS range are compatible with ISEO Lockbus.

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

Lockbus highlights:

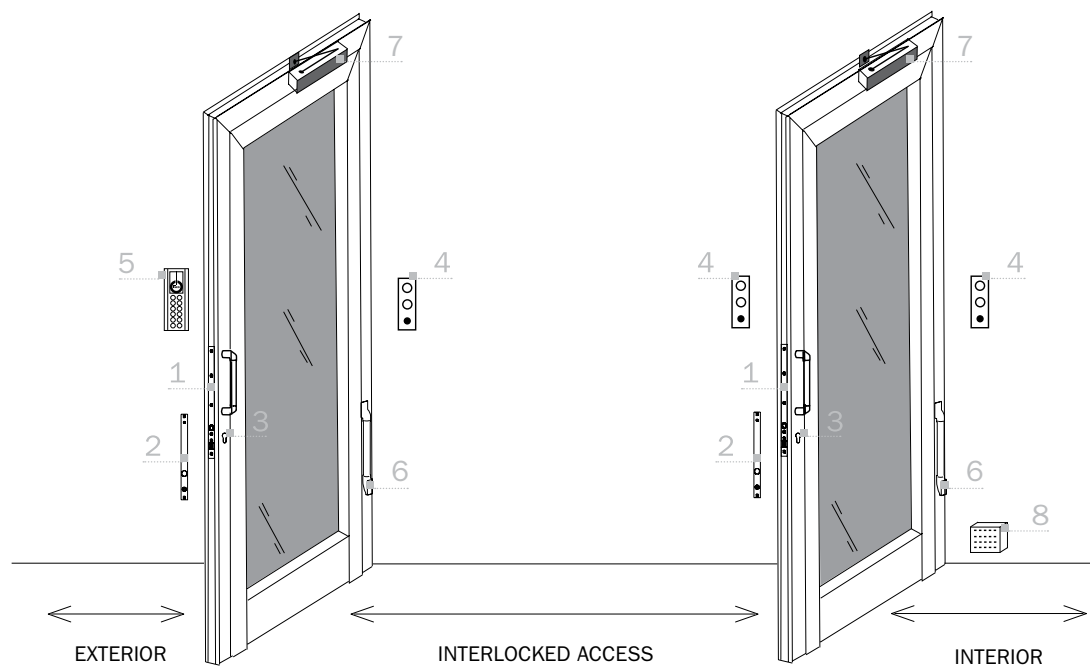
Data transmission and power supply on the same 3-wire connection up to 100 m;

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

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

THESIS 2.0 Standard Latchbolt

ON INTERLOCKED DOORS



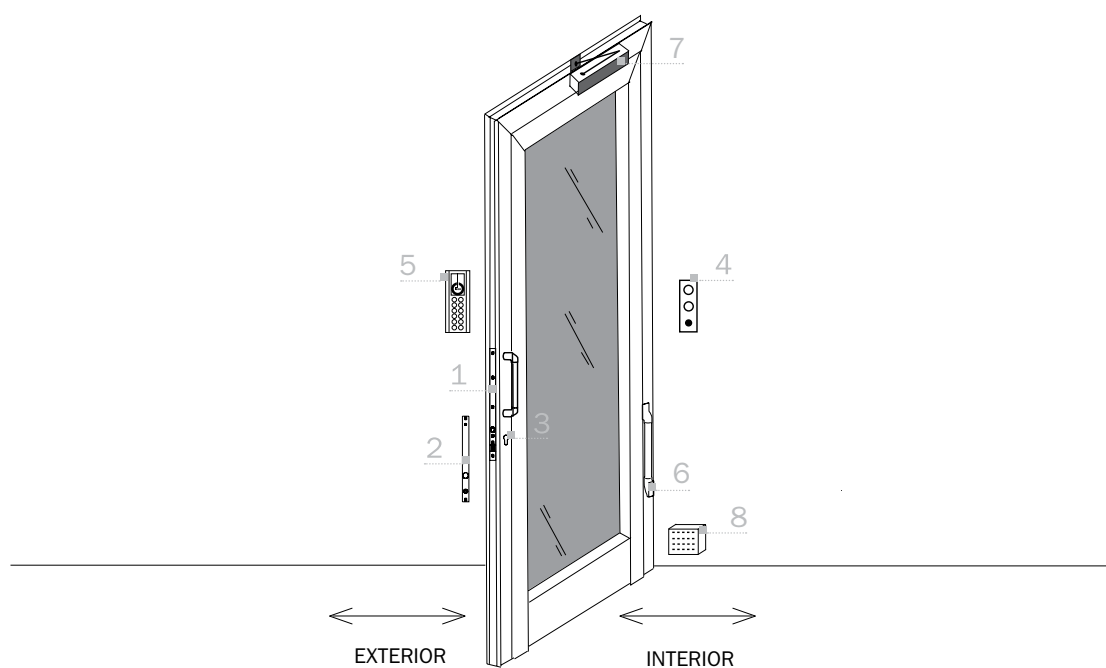
1. Thesis 2.0 Latchbolt lock
2. Striking plate
3. European profile cylinder

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

7. Door closer
8. Power supply unit

THEESIS 2.0 Standard Latchbolt

ON SINGLE DOORS



1. Thesis 2.0 Latchbolt lock

2. Striking plate

3. European profile cylinder

4. Status indicator with pushbutton

5. Stylos reader

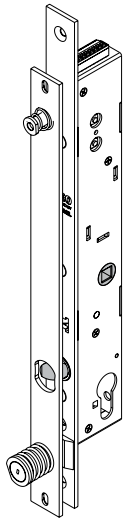
6. Concealed lead covers

7. Door closer

8. Power supply unit

Package

Code



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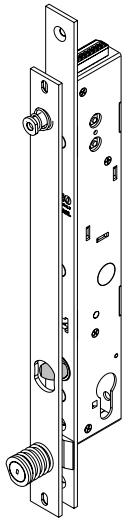
Automatic interlock software. Backset 25 mm.	1	0751A802521
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Automatic interlock software. Backset 30 mm.	1	0751A803021
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Automatic interlock software. Backset 35 mm.	1	0751A803521
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Package

Code



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.	1	07510002521
Single door software. Backset 30 mm.	1	07510003021
Single door software. Backset 35 mm.	1	07510003521

Manual interlock software. Backset 25 mm.	1	0751M002521
Manual interlock software. Backset 30 mm.	1	0751M003021
Manual interlock software. Backset 35 mm.	1	0751M003521

Automatic interlock software. Backset 25 mm.	1	0751A002521
Automatic interlock software. Backset 30 mm.	1	0751A003021
Automatic interlock software. Backset 35 mm.	1	0751A003521

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.

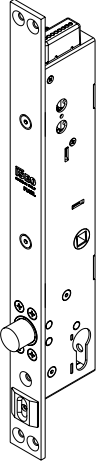
The Lockbus interface allows the direct connection with Iseo Stylos Line credential readers, for a simple but effective access control management.

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.

(**) estimated classification. Test in progress.

THEESIS 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: UNI EN 14846:2008;

grading: 3 H 8 0 0 E 7 0 1 (**)

3 H 8 0 0 E 7 0 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)

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.

(**) estimated classification. Test in progress.

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:

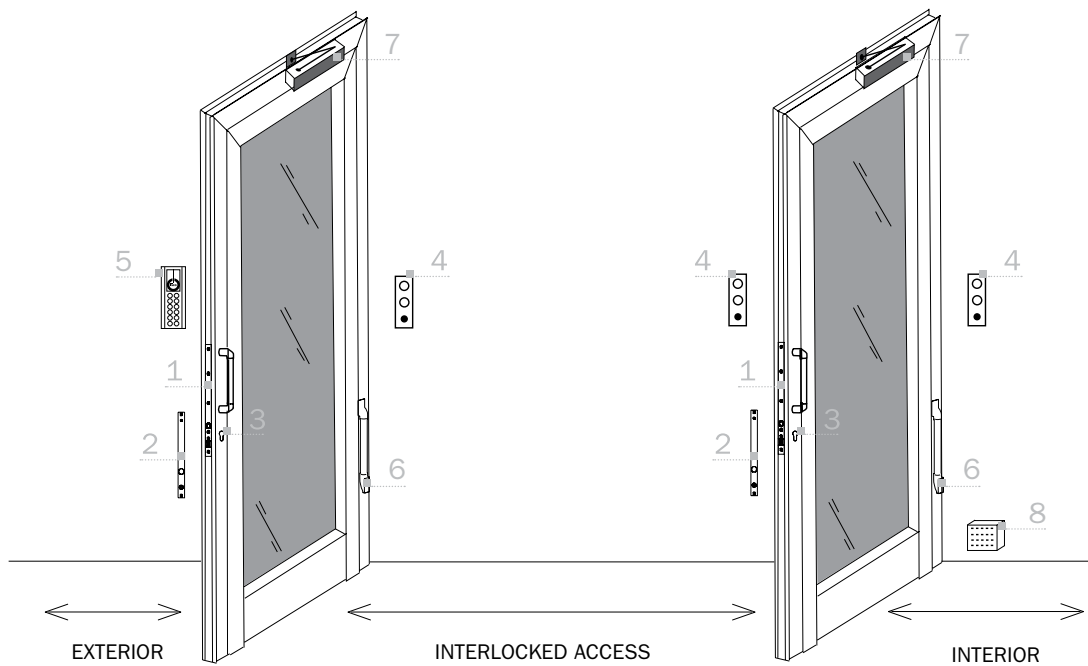
Data transmission and power supply on the same 3-wire connection up to 100 m;

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

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

THESIS 2.0 Professional

ON INTERLOCKED DOORS



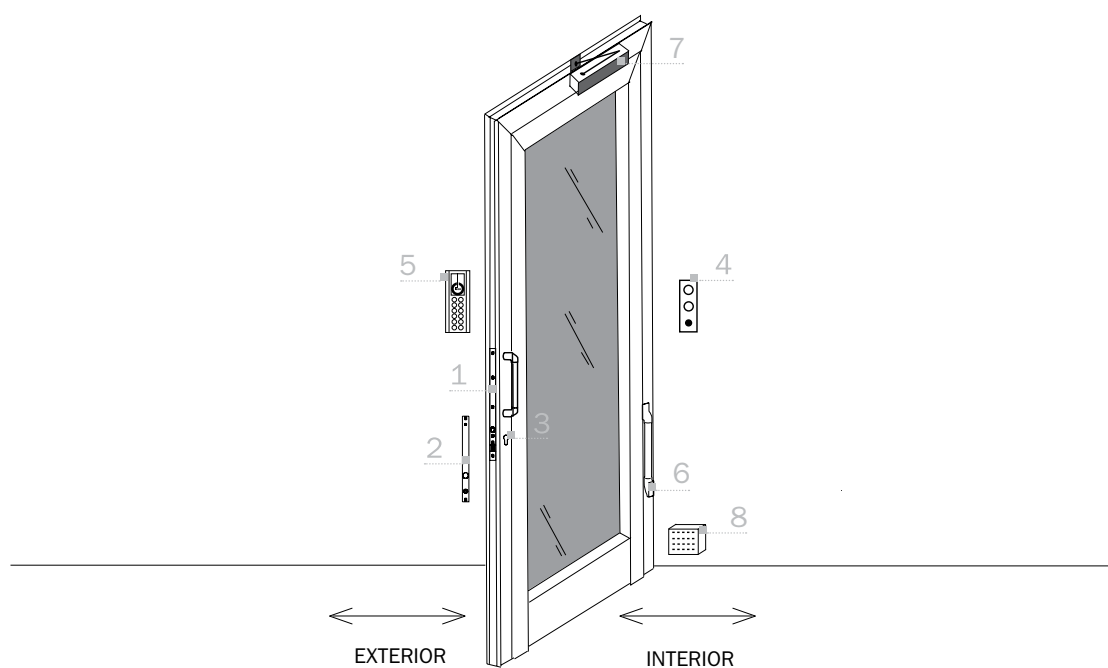
- 1. Thesis 2.0 Professional lock
- 2. Striking plate
- 3. European profile cylinder

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

- 7. Door closer
- 8. Power supply unit

THESIS 2.0 Professional

ON SINGLE DOORS



1. Thesis 2.0 Professional lock

2. Striking plate

3. European profile cylinder

4. Status indicator with pushbutton

5. Stylus reader

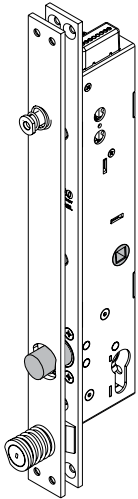
6. Concealed lead covers

7. Door closer

8. Power supply unit

Package

Code



THESIS 2.0 Professional

DROPBOLT FAIL SECURE 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 Secure mode.

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

Handle follower/cylinder centre distance 85 mm

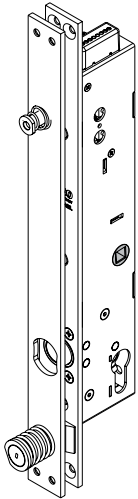
Single door software. Backset 30 mm.	1	07600823021
Single door software. Backset 35 mm.	1	07600823521
Single door software. Backset 40 mm.	1	07600824021

Manual interlock software. Backset 30 mm.	1	0760M823021
Manual interlock software. Backset 35 mm.	1	0760M823521
Manual interlock software. Backset 40 mm.	1	0760M824021

Automatic interlock software. Backset 30 mm.	1	0760A823021
Automatic interlock software. Backset 35 mm.	1	0760A823521
Automatic interlock software. Backset 40 mm.	1	0760A824021

Package

Code



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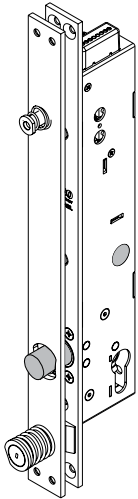
Automatic interlock software. Backset 30 mm.	1	0760A823022
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Automatic interlock software. Backset 35 mm.	1	0760A823522
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Automatic interlock software. Backset 40 mm.	1	0760A824022
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Package

Code



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.	1	07600023021
Single door software. Backset 35 mm.	1	07600023521
Single door software. Backset 40 mm.	1	07600024021

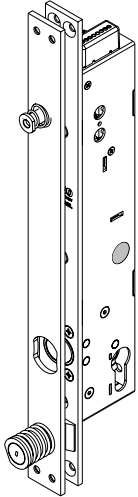
Manual interlock software. Backset 30 mm.	1	0760M023021
Manual interlock software. Backset 35 mm.	1	0760M023521
Manual interlock software. Backset 40 mm.	1	0760M024021

Automatic interlock software. Backset 30 mm.	1	0760A023021
Automatic interlock software. Backset 35 mm.	1	0760A023521
Automatic interlock software. Backset 40 mm.	1	0760A024021

Package

Code

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

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.

(**) estimated classification. Test in progress.

THESIS 2.0 Professional Mini



Technical features

Deadbolt:

- hardened steel;
- diameter $\varnothing 18$ 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 203 mm
- depth 44 mm

DC supply voltage range: 8÷30 Vdc.

Max. absorbed current power in operation: 1A.

CC power supply min. characteristics: 8÷30 Vdc 15W.

Opening control:

- opto-isolated input 8÷24 Vdc / 12 Vac;

Max voltage and current applicable to signalling relay:

- 24 Vdc 1A;
- 120 Vac 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 Mini

Environmental features:

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

Reference Standard: UNI EN 14846:2008;

grading: 3 H 8 0 0 E 7 0 1 (**)

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

Options and versions:

Operating modes in case of power failure:

Fail Secure mode (N.C. Normally Closed)

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.

(**) estimated classification. Test in progress.

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:

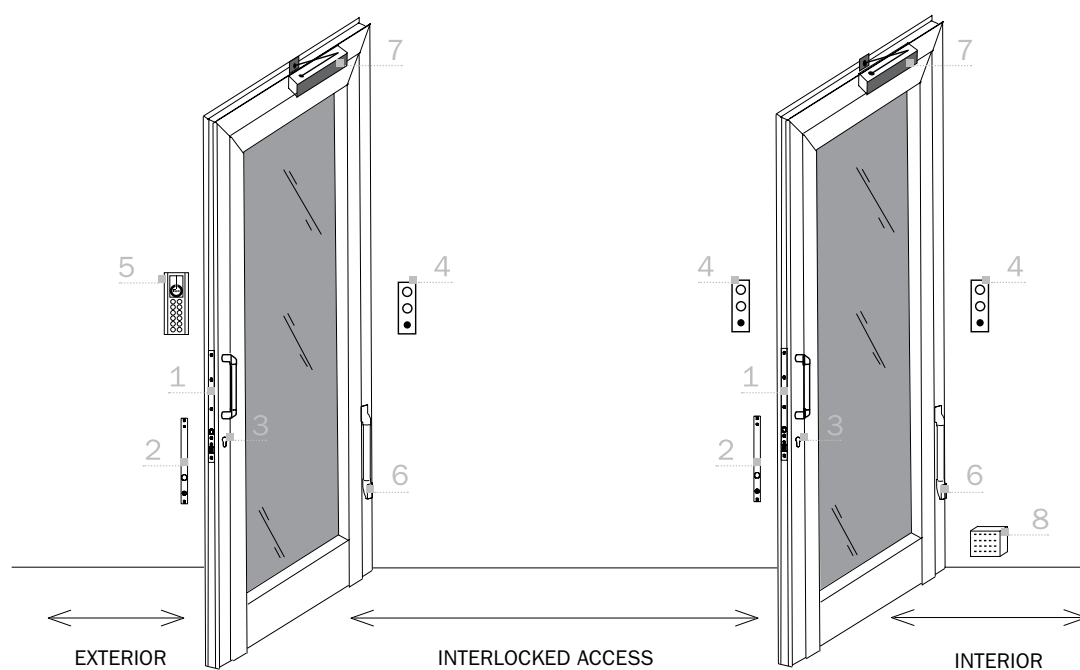
Data transmission and power supply on the same 3-wire connection up to 100 m;

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

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

THESIS 2.0 Professional Mini

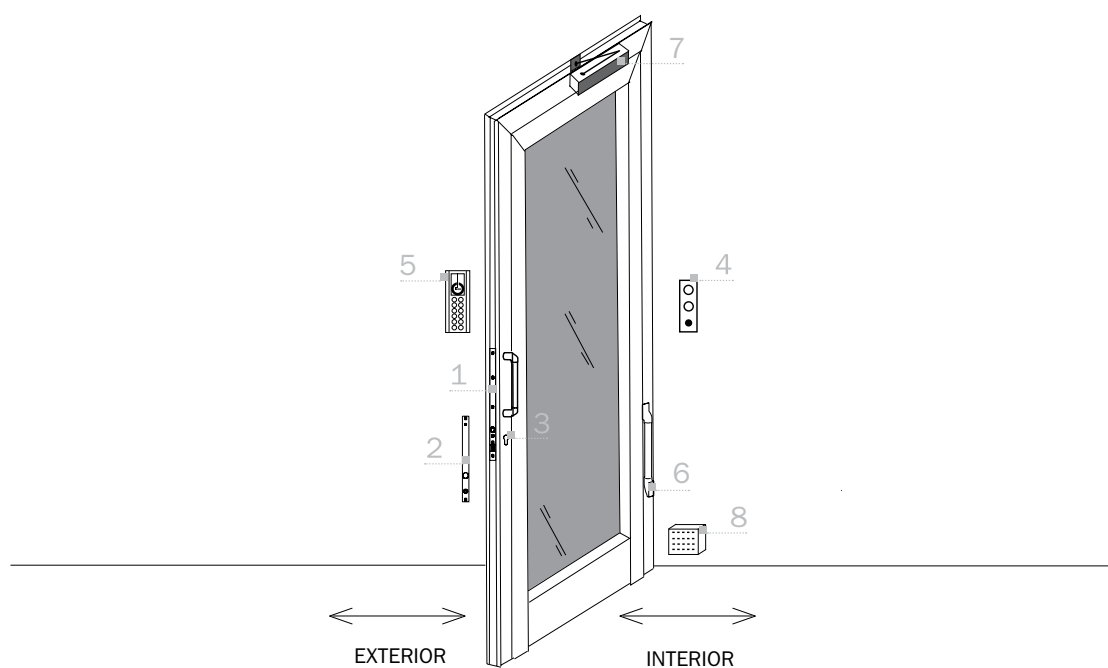
ON INTERLOCKED DOORS



- | | | |
|--------------------------------------|-------------------------------------|----------------------|
| 1. Thesis 2.0 Professional Mini lock | 4. Status indicator with pushbutton | 7. Door closer |
| 2. Striking plate | 5. Stylus reader | 8. Power supply unit |
| 3. European profile cylinder | 6. Concealed lead covers | |

THEESIS 2.0 Professional Mini

ON SINGLE DOORS

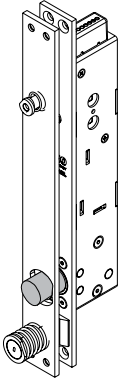


- | | | |
|--------------------------------------|-------------------------------------|----------------------|
| 1. Thesis 2.0 Professional Mini lock | 4. Status indicator with pushbutton | 7. Door closer |
| 2. Striking plate | 5. Stylus reader | 8. Power supply unit |
| 3. European profile cylinder | 6. Concealed lead covers | |

Package

Code

THEESIS 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. 1 **07800020021**

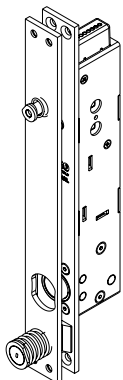
Manual interlock software. 1 **0780M020021**

Automatic interlock software. 1 **0780A020021**

Package

Code

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

Single door software.	1	07800020022
Manual interlock software.	1	0780M020022
Automatic interlock software.	1	0780A020022

Package

Code

THEISIS 2.0 Accessories



STRIKING PLATE FOR THESIS 2.0 STANDARD AND STANDARD LATCHBOLT
Inox steel 25x330 mm, thickness 3 mm.
Adjustable magnet.
Adjustable positioning device.
Package: 1 striking plate.

1 **000098075000**



STRIKING PLATE FOR THESIS 2.0 PROFESSIONAL
Inox steel 30x371 mm, thickness 4 mm.
Adjustable magnet.
Adjustable positioning device.
Package: 1 striking plate.

1 **000098076000**



STRIKING PLATE FOR THESIS 2.0 PROFESSIONAL MINI
Inox steel 30x280 mm, thickness 4 mm.
Adjustable magnet.
Adjustable positioning device.
Package: 1 striking plate.

1 **000098078000**



ELECTRICAL JUMPER.
For special multidevice configurations.
Package: 5 jumpers.

5 **5E0000205**

Package

Code

THESIS 2.0 Accessories



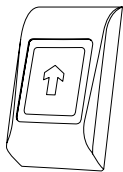
MORTICE STATUS INDICATOR FOR THESIS 2.0
With front-plate for mortice assembly.
Green/red light + buzzer + multifunction button.
12 Vdc power supply, 70 mA.
Anodized aluminium "silver" colour (250 x 50 mm),
thickness 4 mm.

1 **FSAPL2T00000000**



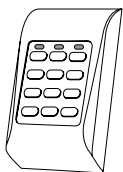
RIM STATUS INDICATOR FOR THESIS 2.0
Aluminium case for rim assembly.
Green/red light + buzzer + multifunction button.
12 Vdc power supply, 70 mA.
Anodized aluminium "silver" colour (35 x 25 x 215 mm).

1 **FSAPL2TA00000000**



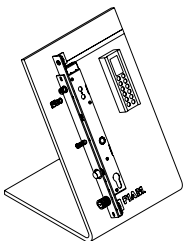
TOUCH CAPACITIVE BUTTON.
Backlight (red/green for non-authorized/authorized access signalling).
Sound feedback. One relay 2A output.
12/24 Vac/Vdc power supply. It can be used as opening button.
Programmable temporary impulse or bistable output.
IP66 protection grade.
Dimensions 92x51x25 mm

1 **50800IP54MTTS**



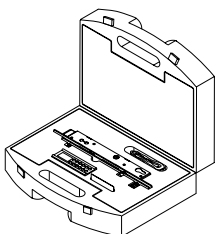
METAL STAND ALONE KEYBOARD
99 users codes. IP65 protection grade.
12/24 Vac/Vdc power supply. One 2A relay output and one 250 mA transistor.
Absorption: 20 mA at rest and 100 mA in operation.
Internal and external assembly. Tamper protection.
Metal buttons with backlight. Sound buzzer.
3-colour leds. Dimensions 92x51x25 mm.

1 **58700MTPADS00**



DISPLAY.
Thesis 2.0 and Stylos PAD Reader

1 **FXK750**



DEMO KIT.
Thesis 2.0 and Stylos PAD Reader

1 **FXKVAL750**

For "Common Accessories" please see the section "Electric Locks" on pages 18 and 19

1 - Field of application

These general terms of sale are intended to regulate the present and future sale contracts between the parties with the exception of any different conditions agreed in writing. Any general term established by the Buyer shall not be applied to the parties' future relationships unless agreed in writing. The Buyer's acceptance of FIAM's offer or order confirmation, however made, shall imply the application of these general terms of sale to the sale contract.

2 - Information data

The product features, prices and other data shown in FIAM's catalogues, price lists or any other documents as well as the features of samples and prototypes sent to the Buyer shall not be binding unless expressly mentioned in FIAM's offer or order confirmation.

FIAM reserves the right to make any necessary changes to their products in any moment. Any technical drawing or document given to the Buyer, which allows the manufacturing or assembly of the products or their parts, is property of FIAM. It cannot be used, copied, transmitted or communicated by the Buyer to a third party unless previously agreed with FIAM.

3 - Orders

Only written orders shall be accepted through an order confirmation.

Any offer made by FIAM's agents or representatives shall not be binding for FIAM until written confirmation of the latter.

For single orders with an amount lower than:

Italy	550,00 euro
EU	1.550,00 euro
Non-EU countries	3.000,00 euro

the following fixed operating expenses shall be invoiced:

Italy	25,00 euro
EU	78,00 euro

4 - Delivery

The delivery terms are:

Italy	Carriage Paid
EU countries	Carriage Paid
Non-EU countries	F.O.B. (Incoterms 2000)

The delivery terms are approximate in favour of FIAM with a fair tolerance margin. FIAM shall not be liable for any damage deriving from an anticipated, delayed or missing delivery, either full or partial. The risks connected to the supply shall pass on to the Buyer at the latest when the products leave FIAM's factory, unless the sale term or the applicable regulations provide for an earlier time.

5 - Prices – Payments

Prices, which include costs for packaging (packaging units are to be respected), shall be those in force at receipt of purchase order.

Payments, as well as any other amount payable to FIAM, shall be net at their premises. The Buyer shall not be entitled to suspend payments, even in case of disputes arising from supplied products.

Any payment dispute will entitle FIAM to suspend the manufacturing of the orders under execution and to ask the Buyer for suitable guarantees of payment and therefore to change the payment terms in force for future orders. No compensation with any credits towards FIAM shall be accepted.

For each invoice which will not have been paid by the due date, we will calculate accrued interest on arrears, by applying the official interest rate in force, according to D.LGS N. 192/2012 - implementation of Directives 2000/35/CE and 2011/7/UE. The supplied products shall remain FIAM's property until the full payment. To this end the Buyer shall undertake to do everything possible to grant in the Country where products are stocked a valid reservation of proprietary rights, or to put into force a warranty in favour of FIAM.

6 - Warranty

No returned product shall be accepted unless previously agreed with FIAM by filling in the return authorization request form. FIAM guarantees the conformity of the products with the legislation and technical standards in force in Italy.

Therefore, the buyer shall take the risk of eventual differences between Italian standards and the standards of the Country of destination of the products. FIAM guarantees the performance of their products only in relation to their stated use and application.

Any other use is considered as improper.

Should the Buyer resell these products, he shall be fully responsible to give his customers, at his own expenses, all the relevant information. The warranty is not valid in the following cases: products installation and/or use and/or maintenance not complying with FIAM instructions, modifications and/or repair without written authorization by FIAM, normal wear and tear.

FIAM's mechanical products are guaranteed for **10 years** against any engineering, material or manufacturing failures attributable to FIAM, provided they are properly used and installed. The electronic products and door closers are guaranteed for **3 years** from the date on the product label. In the absence of the label, the warranty declines unconditionally. Any replacement of components do not give rise to an extension of the warranty period for the whole product.

Claims shall be made in writing, on pain of forfeiture, within 8 days from the receipt of the goods for failures relating to quantity or for failures which could be

detected by the Buyer when receiving the goods; within 8 days from the discovery of hidden failures or non-conformities. Failures shall be exclusively assessed by FIAM's experts.

No claim against FIAM shall be accepted after the expiry of the warranty period. The Buyer shall lose the warranty right if payments are not regular. This warranty is limited to the replacement of the faulty part EXW FIAM.

No other reimbursement shall be made such as disassembly and assembly charges.

This warranty includes and replaces any other legal warranty for failures and conformity and excludes any other liability of FIAM connected to the supplied goods. Unless in case of fraud or gross negligence grave offence on the part of FIAM, the latter shall not be liable for direct, indirect or consequential damages to the buyer of the supplied products. In particular, the Buyer shall not be entitled to claim a damage refund, a price reduction or contract termination.

7 - User Licence agreement

Important

Please read carefully this end user License agreement. The installation or use of any software shown in this catalogue means that you accept the terms and conditions of the following agreement.

Ownership

ISEO SERRATURE S.P.A. (hereinafter ISEO), headquartered in Pisogne (BS), Via San Girolamo 13, and the productive or distribution companies of ISEO Group (hereinafter ISEO), as the only and exclusive owners, bestow the non-exclusive user license of any software contained in ISEO Zero1 product range, under the conditions described in the following paragraphs. The license is not a sale of the software and no expression contained in the license shall be construed to transfer any right or ownership.

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Limitations on the right of use

The licensee is not authorized to rent, lease, share or to lend the software. The licensee is also not authorized to examine, modify, incorporate into another program, convert back to the original source code, decompile, disassemble or reverse engineer of the software.

The licensee is not authorized to remove, change or obscure the brand Iseo or indications relating to the entitlement. ISEO shall be informed and agree on any variation of the above mentioned limitations.

Warranty

ISEO does not warrant that the operation of the software will be free from failures or that defects in the software will be corrected. ISEO ensures that the software is compliant with the technical and functional characteristics described in the supporting documentation. ISEO will use reasonable efforts to intervene in case of any malfunction up to 12 months after the invoice.

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Limitation of liability and exclusion of damages

In no event will ISEO be responsible for any consequence, indirect, incidental or of any kind, including lost profits, business interruption, lost information, or other losses, arising out of the use or inability to use the software, even if ISEO has been advised on the eventuality of such damages.

Iseo responsibility for any direct damages to you or any third party will be in any event limited to gross negligence or willful misconduct.

8 - Competent Court – Applicable law

Any dispute arising from or connected with the contracts to which these general terms apply will be exclusively dealt with by the Court of Como; FIAM shall however be entitled to take legal action also before the Buyer's Court.

These general terms of sale are regulated by the Italian Law.

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