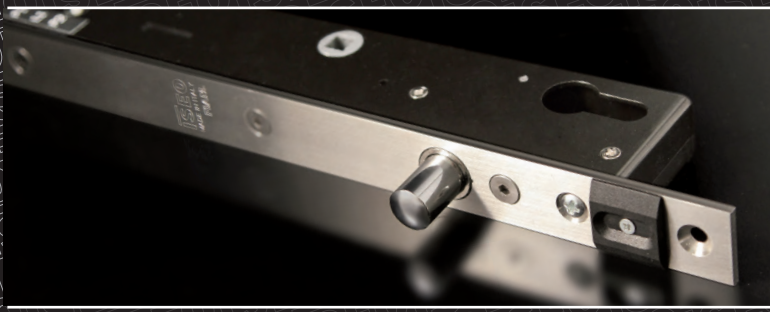
THESIS 2.0 Line



SECURITY SOLENOID LOCK WITH STATUS SIGNAL

ISEO Zero1

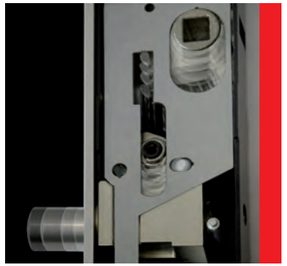
ELECTRONIC SOLUTIONS

THESIS **2.0** Line

SECURITY SOLENOID LOCK WITH STATUS SIGNAL

INSTALLATION IN LOCAL NETWORKS THROUGH LOCKBUS CONNECTION.

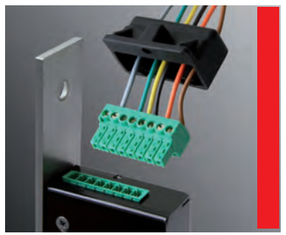
Innovative electronics with power reserve (booster) ensuring an efficient bolt movement in difficult operating conditions: even with 8 V only.



THESIS 2.0 ensures a trouble-free operation even if fixed horizontally.
It represents the ideal solution for automatic sliding doors.

Power supply from 8 to 30 VDC 1A.
Guaranteed operation even in complex systems and critical conditions.
Allows cost-savings on the required components of the system.

"Stand-alone" access control can be realized with simple connections. But it can also be installed in local networks through a bus (Lockbus).



A SMART AND SAFE DOOR

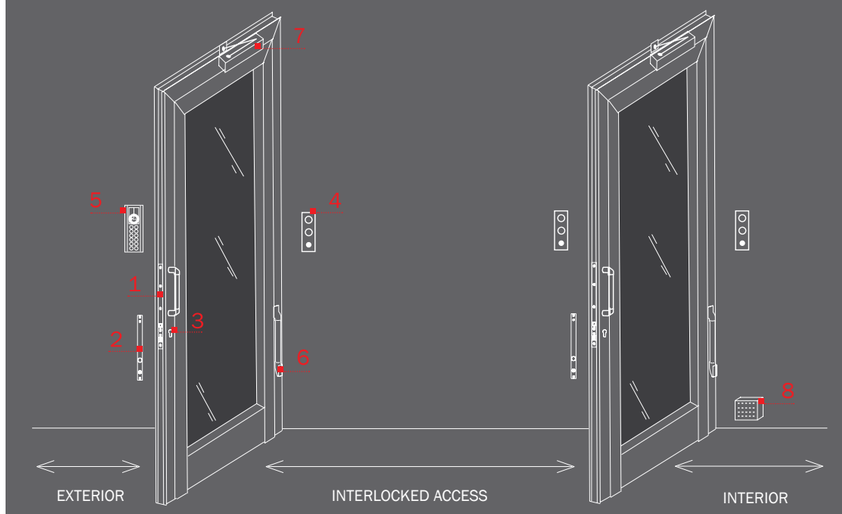
THESIS 2.0 can transform a simple door in a smart access, and can make it even safer and more functional thanks to its performances. For instance, a common residential entrance requires constant security and restricted access to residents and authorized people. This cannot be ensured if the door is equipped with a conventional electric lock or an electric striker: the electric pulse opens the lock, which remains constantly unlocked until the door is physically pulled ajar.
In that undefined time lapse the access to the apartment block is free. For anyone.
Moreover, the security of an electric lock is only guaranteed by a simple latch.
To pick, it is almost a child's play.

THESIS 2.0 offers a comprehensive solution to these problems:
its security status is automatically restored with a locking time which can be set according to one's needs.
A steel deadbolt with a 20 mm extension ensures a high anti-intrusion security (Thesis 2.0 is certified to UNI EN 12209).
In combination with the Stylos Line credential readers the access can be controlled by transponder, contactless card and/or PIN codes, Stylos dialogs with Thesis 2.0 in a direct way, i.e. without intermediate electronic devices. It only requires a 3-wire connection and the code sent to the lock is encrypted.
What's more, an additional security is offered: in the fail-safe version, Thesis 2.0 unlocks automatically ensuring evacuation in the event of a fire or in other emergency situations.

INTERLOCKED DOORS CONNECTED TO BUS NETWORK

THESIS 2.0 has also been engineered for more complex and "professional" systems such as bank interlocked doors or BUS - connected access control.
The electronics on board, without further devices and with a 3-wire supply, is perfect for the interlocked doors typical bank application.
After receiving the electric pulse the first lock opens and allows access, while the second lock is kept closed. Only after closing the first lock authorizes the opening of the second one.
All these operations are fully automatic.
A console inside the building and operated by the security staff can manage any emergency situation, while the installed software allows for an easy connection to local networks.

INSTALLATION SCHEME OF DOORS WITH INTERLOCK FUNCTION



1 Thesis 2.0
2 Stricking plate
3 European profile cylinder
4 Status indicator with pushbutton
5 Stylos reader
6 Concealed lead covers
7 Door closer
8 Power supply unit

A COMPLETE RANGE

Besides the STANDARD version,
Thesis 2.0 range includes also:

STANDARD LATCHBOLT
the self-ejecting latchbolt ensures a typical mechanic lockcase functioning also in case of lack of power supply. The latchbolt blocking and 20 mm excursion when the door is locked ensure the same anti-intrusion resistance as the STANDARD version.

PROFESSIONAL (*)
thanks to the bigger case and latchbolt, it is the ideal solution for heavy duty installation increasing anti-intrusion resistance to maximum level (7) provided for the reference standard.

MINI (*)
it has the same features as the PROFESSIONAL version. Thanks to its small size, it is the ideal solution for applications which don't require manual opening by handle or cylinder.

(*) available starting from 2014

TECHNICAL FEATURES

- Backset: 25/30/35 mm (Standard and Standard Latchbolt version). Backset: 30/35/40 mm (Professional and Mini version).
- Cylinder: European profile.
- Available with and without handle follower 8 mm. Handle follower/cylinder centre distance: 85 mm.
- Available in Fail Secure and Fail Safe mode in case of power failure.
- Available with software for single door, for bidirectional manual interlock and for bidirectional automatic interlock (communication between interlocked locks is encrypted).
- DC supply voltage range: 8÷30 VDC. Max. absorbed current in operation: 1A.
- CC power supply min. characteristics: 8÷30 VDC 15W.
- Lockbus connection: data transmission and power supply on the same 3-wire connection up to 100 mt. secure device authentication (between reader and Thesis 2.0) encrypted data transmission for high security against picking.
- Opening control: opto-isolated input 8÷24 VDC/12VAC.
- Status relay: max. applicable voltages and currents 24 VDC 1A/120 VAC 0.5 A
- Programmable status signal (door status and deadbolt).
- Door opening time: adjustable 1÷180 sec. (15 sec. default).
- Delayed closure time: adjustable 1÷60 sec. (1 sec. default).
- Max. and min. operating temperature: -20°C +60°C.
- Storage temperature: -25°C +70°C.
- Protection level (IP grading): IP44.
- Reference standard: UNI EN14846:2008 Classification for versions Standard and Standard Latchbolt.
  - 3C100D301
  - 3C100D311
  (combined with STATUS INDICATOR).

ISEO Zero1

ISEO

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