

THESIS 2.0

PROFESSIONAL

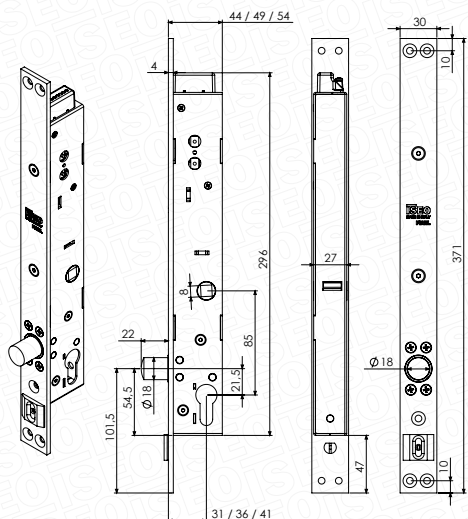


PRODUCT:

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.



Iseo®

TECHNICAL FEATURES:

Backset:

- 30/35/40 mm;

Deadbolt:

- hardened inox 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÷24 Vdc/12 Vac;

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 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.



TECHNICAL FEATURES:

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);

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 1 1 (in combination with status indicator)