ISEO

V364

ENGLISH.06_2018

ISEO Zer01

ISEO

ELECTRONIC SOLUTIONS

Access control

ISEO Zero1 Electronic solutions includes a wide range of electronic access control devices easy to install in order to meet every application requirement. You can choose different devices according to the door type and security level required:
- cable free off-line battery operated devices, such as Aries electronic trim set and Libra electronic cylinder;
- mechatronic cylinders with power source on the key only, such as CSF F9000;
- wired devices such as Stylos credential readers, Atlas controllers and smart locks.

All the ISEO Zero1 Electronic devices can be combined to create the following access control system Solutions:

ARGO
Argo is the solution for residential and light commercial applications (bed & breakfast, small shops and offices, medical practices, lawyer offices,…).
Just with your smartphone and the Argo APP you can manage and control access rights to your door without any additional software or internet connection.
It is possible manage up to 300 users per door and retrive the last 1000 door lock events.
Your smartphone communicates with the Iseo SMART devices thanks to the Bluetooth smart Technology.
The smartphone can be used, together with Iseo precoded cards or Legacy Mifare® cards (contactless credit cards, public transportation tickets, time attendance cards…).

V364
V364 is an advanced access control software for commercial applications allowing to manage both on-line and off-line doors for small and medium sized facilities.
V364 is based on the Atlas controller with embedded web server technology which allows the system up and running in minutes as it is not necessary to install any software.
V364 features a user-friendly interface allowing the management of your electronic access control system from computer with browser.
V364 supports the RFID technology (Mifare DesFire e Mifare Classic) and the mechatronic key F9000 suitable for explosion danger environments as it comply with the ATEX directive.
V364 is designed to easily scale and will be the core of your next level of facility integration by the system integrators of the ISEO Technology Partner program VAR (Value Added Reseller).

ADI Design

HONOURABLE MENTION
XXIII
Compasso d'Oro

German Design Award

IFSEC'S
Security & Fire
Excellence Awards

ISEO Zero1

V364

WEB BASED ACCESS CONTROL SYSTEM

The core of the system V364 is Atlas (Master) controller embedding a web server. There is no need to install any software or to buy a dedicated server computer: it's all in Atlas Box, a solid state pre-configured appliance, allowing the system up and running in minutes.
V364 is secure thanks to Linux operating system which ensures stability and greater security from external threats or virus attacks. V364 provides system administrators different login access levels.

MANAGEMENT BY MOBILE V364 APP AND BROWSERS

V364 web server gives you the freedom to manage and control accesses anywhere and anytime with no need to be in a dedicated client workstation. V364 features a user-friendly interface to manage your electronic access control system allowing to set and change access rights, add users, door groups or retrieve reports from any mobile device or desktop computer with browser.

SECURING EXTERNAL AND INTERNAL DOORS

V364 secures external gates with online readers and internal doors equipped with offline, battery-powered devices and easy to install. Access rights are updated through online validators or mobile validators for the mobile workforce. The online validators automatically change the user access rights data on the electronic key while opening the main facility door.
Audit trails will be downloaded from the offline locks and stored on the electronic key while opening the internal doors. Then the data will be uploaded to Atlas at the moment of the electronic key validation. The Atlas web server controller combined with offline devices (such as the electronic trim set Aries, the electronic cylinder Libra and the mechatronic cylinder F9000) delivers a cost-effective access control solution ideal for small and medium sized facilities.

SUPPORTING CONTACTLESS RFID CREDENTIALS AND MECHATRONIC KEYS

V364 supports secure Mifare Desfire and Mifare Classic RFID technology with a customizable credential layout to easily accommodate into legacy credentials.
F9000 mechatronic keys are suitable for explosion danger environments as they comply with the ATEX directive and can be used also in a Master Key system with F9 mechanical cylinders.
Installing F9000 cylinders doesn't require any wiring since the energy source is in the key itself.

FEATURING TRADITIONAL AND ROLE-BASED ACCESS CONTROL

In traditional access control, the access authorizations are directly assigned to each access user. With Role-Based Access Control, permissions are based on the roles that individual users have as a part of an organization. Roles are closely related to the concept of user groups, simplifying complex access control policies and converging physical access control with logical IT security.

EXPANDABLE AND EASY TO INTEGRATE INTO A BUILDING MANAGEMENT SYSTEM

V364 is designed to easily scale with your need and your budget. As your business grows, V364 will grow with you. You can add doors, Atlas (Slave) controllers for multi-site applications and users to the system at any time. V364 connects multiple facilities on the same existing networking infrastructure and will be the core of your next level of facility integration accordingly to the system integrators of the ISEO Technology Partner program VAR (Value Added Reseller).

V364

Main functions

Built-in web server platform into solid state Atlas master controller
Managed with V364 mobile application (for iOS and Android) and across multiple operating systems
supporting "WebKit" powered browsers (GOOGLE Chrome, Safari, MICROSOFT Edge)
USER-FRIENDLY interface:
- Modern look and feel
- Minimal training required to operate the system (highly USER-FRIENDLY)
- System configuration easy for installers as Atlas is preconfigured and IP network ready
- VERY Simple functions to set access RIGHTS

Multiple configurations supporting several memories partition
up to 4.000 doors and 5.000 Access users on Atlas PLUS (*)
Highly scalable architecture supporting Single or Multi-site installations
Multiple administrators concurrent login sessions
Multi-language support by individual system administrator login
System administrators segmentation allowing specific permissions based on the operator
security level or role
Role-Based Access Control

RFID Mifare Desfire and Mifare Classic credential support with configurable data layouts
F9000 Mechatronic keys ATEX directive compliant
Online and offline lock support allowing:
- Remote disabling of credentials (with validation or black list)
- Remote collection of audit trails and battery status
Devices software upgrade on the field
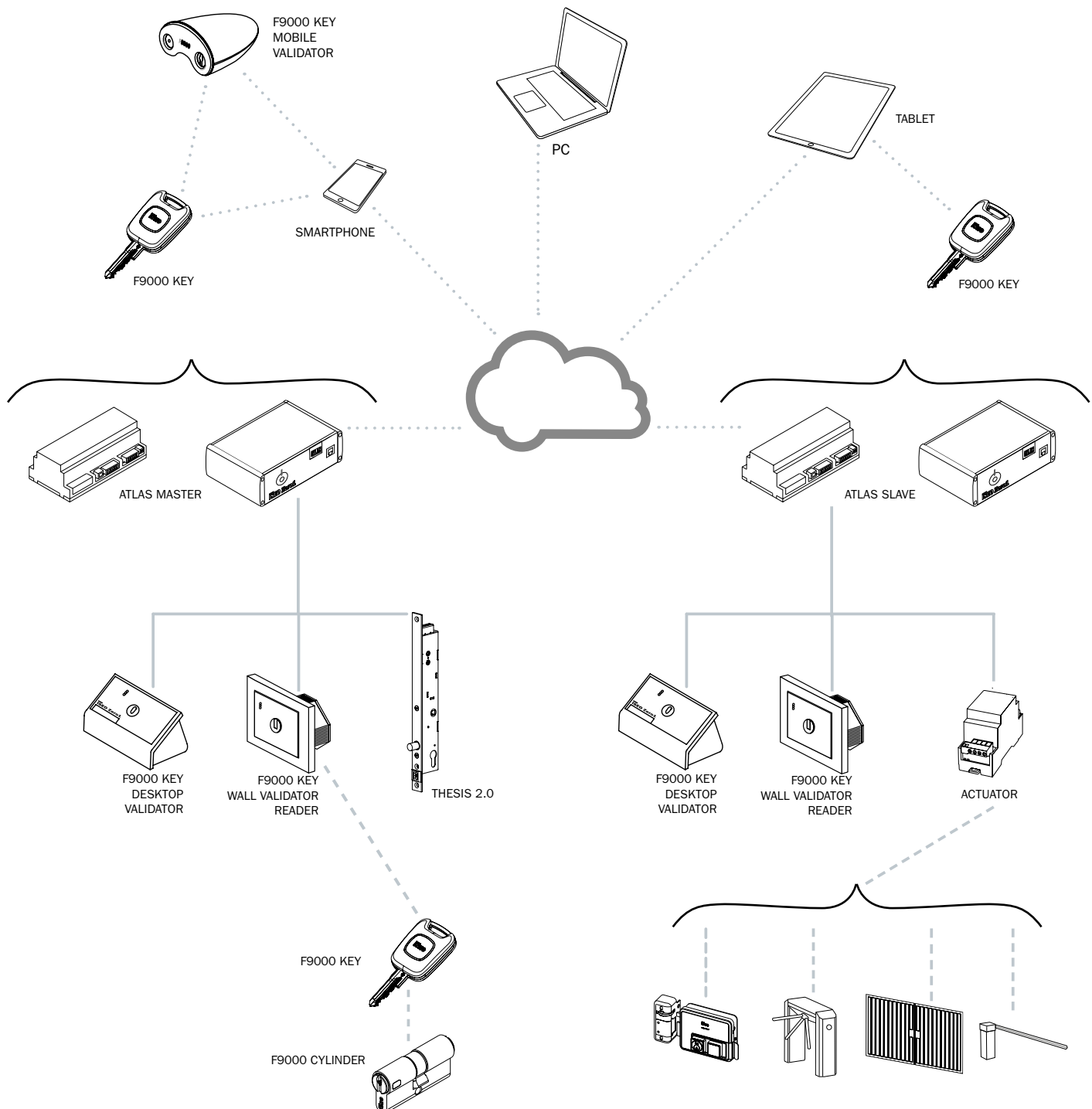Integration into Building Management Systems via web services with SOAP
(Simple Object Access Protocol) over HTTP technology.

(*) For bigger dimensions the configurations will be designed upon customer requirements.
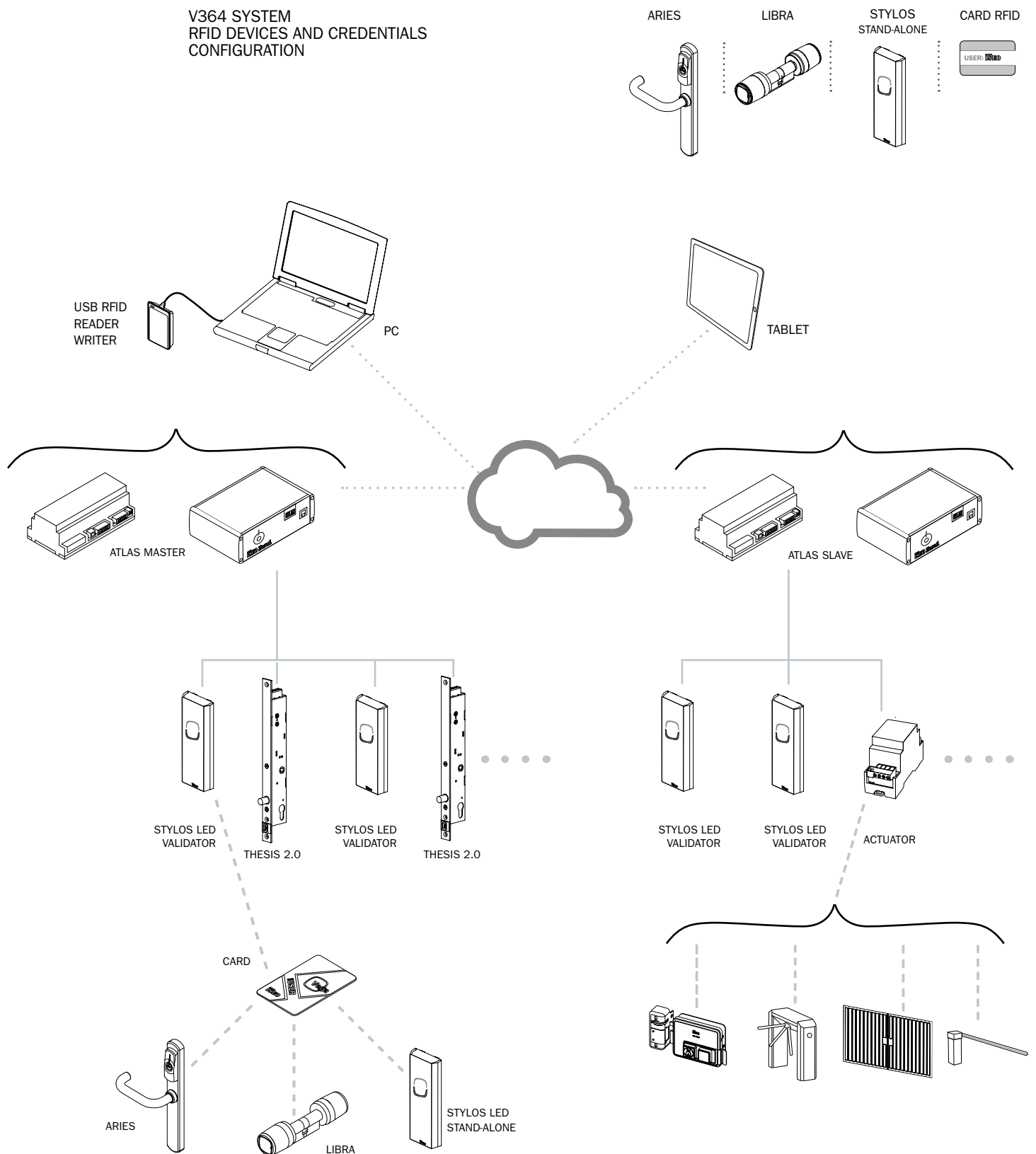
V364

V364 SYSTEM
F9000 CYLINDERS AND KEYS
CONFIGURATION

F9000 CYLINDER   F9000 KEY

F9000 KEY
MOBILE
VALIDATOR

PC

TABLET

SMARTPHONE

F9000 KEY

F9000 KEY

ATLAS MASTER

ATLAS SLAVE

F9000 KEY
DESKTOP
VALIDATOR

F9000 KEY
WALL VALIDATOR
READER

THESIS 2.0

F9000 KEY
DESKTOP
VALIDATOR

F9000 KEY
WALL VALIDATOR
READER

ACTUATOR

F9000 KEY

F9000 CYLINDER

V364

V364 SYSTEM
RFID DEVICES AND CREDENTIALS
CONFIGURATION

ARIES   LIBRA   STYLOS STAND-ALONE   CARD RFID

USB RFID READER WRITER

PC

TABLET

ATLAS MASTER

ATLAS SLAVE

STYLOS LED VALIDATOR

THESIS 2.0

STYLOS LED VALIDATOR

THESIS 2.0

STYLOS LED VALIDATOR

STYLOS LED VALIDATOR

ACTUATOR

CARD

ARIES

LIBRA

STYLOS LED STAND-ALONE

ISEO Zero1

V364

V364 SOFTWARE - BASIC MODULE
Offline embedded Access Control Management Software.
Package: 1 licence.

End User Licence

	Package	Code
Up to 100 users	1	**0041600**
Up to 500 users	1	**0041601**
Up to 1.000 users	1	**0041602**
Up to 2.000 users	1	**0041603**
Up to 5.000 users	1	**0041604**

End User Licence upgrades

	Package	Code
Upgrade users token	1	**0041650**

Users upgrade licence scheme
The table reports the quantity of token to be ordered to increase the number of users
from the licence in use (Current Licence), to the desired one (Upgraded licence).

Upgraded licence

Current licence	500 U	1.000 U	2.000 U	5.000 U
100 U	1	2	4	6
500 U		1	3	5
1.000 U			2	4
2.000 U				2

Optional modules
Extra modules are optional additional modules in order
to increase the V364 System functionalities

	Package	Code
Plant partitions	1	**0041641**
Customer UID management located in Mifare Classic Sector	1	**0041640**

Atlas

EMBEDDED RFID AND F9000 CONTROLLER.

The authorizations and credentials in the Iseo access control system are managed by the ATLAS controller, the real "heart" of the management system.
The ATLAS controller contains all the off-line and on-line devices and credential database and manages the credential creation, update and validation by mean of the STYLOS RFID card validators or of the F9000 key validators.

The ATLAS controller is connected to:
- the RFID validators/readers and actuators through the Lockbus connection;
- the F9000 validators through the RS485 connections;
- other ATLAS through an Ethernet connection.

In case ATLAS is used with SIRIO or ISEO Technology Partner VAR software, ATLAS is connected via web services with SOAP (Simple Object Access Protocol) over HTTP technology.

The ATLAS off-line controller, can be used to manage RFID offline devices, as Aries and Libra, or F9000 mechatronic cylinders.

Several ATLAS in Slave mode can be used in the same installation to manage more validators geographically distribuited.

Main functions

- Embedded Linux server
- Ethernet TCP/IP 10/100 base T connection
- n. 1 Lockbus channel to connect Stylos readers and actuators (max 8+8)
- n. 2 RS485 channels to connect F9000 on-line readers (max 2)
- Compatible with Lockbus and RS485 readers and actuators
- n. 2 USB Host channels
- n. 1 MicroSD slot
- n. 2 relè (30V 5A) N.O./N.C.
- Desktop housing or for DIN35 rail installation
- Power supply 12-24Vdc or P.O.E. (only for ATLAS DIN)
- Maximum Power Consumption 15 W
- Atlas PLUS version as Master controller for installation with V364 software

Technical features

Communication interfaces:
- 1 Ethernet interface TCP/IP 10/100 base T
- 1 Lockbus channel
- 2 RS485 channels
- 2 USB channels
- 1 serial interface (debug)

Power supply:
- 12-24Vdc or P.O.E. (Power Over Ethernet)
- Maximum power consumption 15W

Backup batteries:
- 1500mAh battery pack
- estimated duration 30 minutes backup

Atlas

CPU and memory:
Atlas PLUS
- ARM 9 based CPU module
- 800MHz CPU clock
- 512MByte memory
- 8GB Micro-SD
- Real Time Clock

Atlas Standard
- ARM 9 based CPU module
- 200MHz CPU clock
- 256MB Flash memory
- 8GB Micro-SD
- Real Time Clock

Operative system:
- Linux

Signaling: 11 LEDs
- Power line active (green)
- Operating (yellow)
- Ethernet (orange)
- Tx/Rx channel 1 (2 orange)
- Tx/Rx channel 2 (2 orange)
- Tx/Rx channel 3 (2 orange)
- User 1 and 2 (red and green)

Pushbuttons:
- 1 reset, 1 wake-up, 1 switch-off

Housing:
Desktop version
- Desktop box
- Black color
- LxWxD: 167x110x53 mm

DIN version
- Housing for DIN35 rail
- White color
- LxWxD: 160x90x61 mm

Power Supplier:
Included only for Desktop version
- Input 230Vac
- Output 12Vdc
- 2 poles plug

Environmental characteristics:
- Operating temperature: 0°C ÷ +50°C;
- Storage temperature: -25°C ÷ +75°C.

Options and versions:

- Atlas PLUS version as Master controller.
- Atlas standard version as Slave controller.
- Desktop version
- DIN35 rail installation version

Stylos 2 Line

Stylos 2 line credential readers are an essential part of the Iseo V364 access control platform performing the following functions:
- Credential reader/validator when connected to the Atlas Controller (eventually on-line gate control);
- Stand Alone gate when coupled with a lockbus actuator like the electric lock actuator or the Thesis 2.0 lock.

Key points

Stylos 2 readers can be provided in two configurations:
- for indoors
- for outdoors (IP66)

Stylos 2 readers allows a flexible configuration:
- credential reader/validator: Stylos 2 readers connect to Atlas controller with lockbus interface allowing read and write of credential and update of access rights (validator functionality). Connecting an electric lock actuator it is possible to control a gate in on-line mode.
- Stand Alone gate: Stylos 2 reader connect to electric lock actuator with lockbus interface allowing through the built-in relay the direct control of electromechanical locks and electric strikes or any other access control device such as car park bars, sliding doors, electric locks motorized gates and similar devices. Furthermore Iseo locks with lockbus interface such as Thesis 2.0 dropbolt can be directly connected to Stylos 2 credential readers without the need of additional actuators.

The stylos 2 line readers are provided with self-adjusting power supply from 8V DC to 30V DC ensuring top flexibility and allowing in most cases the use of an existing power supply even when there is fluctuation in the power supply voltage.

Main functions

- Multistandard contactless RFID readers ISO14443/A, ISO14443/B - 13,56 Mhz.
- Power supply from 8 to 30Vdc.
- 3-colour Led.
- Lockbus interface.
- External IP66 version.

Stylos 2 Line

STYLOS 2 CREDENTIAL READER technical features:

Multistandard RFID reader 13,56 Mhz ISO 14443 A/B
(compatible with Mifare Classic and Mifare DesFire)

Interfaces:
- Bluetooth Smart
- RFID
- Lockbus

Real Time Clock/Calendar

Power supply: 8Vdc a 30Vdc

Software (Firmware): on-site upgrading

Signals:
Led Version
- 3 colour series green, red, blue
- Acoustic buzzer

Mounting:
- Wall mounting
- Spacer available

Environmental features:
- Operating temperature: -20°C÷ +60°C
- Storage temperature: -25°C ÷ +75°C.
- IP Protection grade: IP66 (version for outdoors)

Dimensions (HxLxD): 130 x 47,5 x 17,5 mm.

ELECTRIC LOCK ACTUATOR technical features:

Power supply: 8Vdc a 30Vdc

Software (Firmware): on-site upgrading;

Inputs: 3 Inputs (1 digital, 1 analogic and 1 digital or analogic)

Outputs: 1 relè (24V 1A) + 1 booster (for direct electric lock).

Operating temperature: 0°C÷ +50°C

Storage temperature: -25°C ÷ +75°C.

Box: for DIN35 rail

Lockbus

LOCAL BUS

All devices of the Stylos Line 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.

F9000 Readers

F9000 VALIDATORS/READERS.

The F9000 Validators/Readers can be connected to the ATLAS offline sever in order to create, validate and update the F9000 keys with V2 firmware and F9000 ON/UP/EM/PR keys. Connecting an electric lock actuator it is possible to control a gate in on-line mode.
The validators/Readers are available in different form in oder to answer to the installation needing of the customer.

Main functions

- RS485 interface.
- Cylinder hole for F9000 key insertion.
- Multicolor signaling leds + buzzer.
- Powered from Atlas server connection.

Technical features

Communication interfaces:
- 1 RS485 interface.

Power supply:
- 10 – 24Vdc.

Signaling:
- 3 LEDs (green, blue, red).

Housings:
- Desktop version
  Vimar Idea desktop plastic Box
  LxDxH 120x111x82 mm
- Frame mounting 503 version
  Vimar Idea frame and 503 box compatible
  LxDxH 120x82x55 mm
- Frame mounting GIRA version
  GIRA frame and box compatible
  LxDxH 80x80x50 mm
- Wall mounting IP55 version
  Vimar Idea IP55 plastic box
  LxDxH 100x83x65 mm
- Wall mounting
  Vimar Idea plastic box
  LxDxH 123X88X55 mm

Environmental characteristics:
- Operating temperature: -10°C ÷ +50°C (internal versions);
- Operating temperature: -25°C ÷ +50°C (external IP55 version);
- Storage temperature: -25°C ÷ +75°C.

Antivandal Heavy Duty wall mounting version:
- Solid metal antivandal housing (impact protection degree IK10)
- All-weather outdoor usage (IP66, IP67 and IP69 protection grading)
- Security fixing screws
- LxDxH 150 x 90 x 53 mm
- Operating temperature: -40°C ÷ +80°C
- Storage temperature: -40°C ÷ +80°C
- High corrosion resistance (tested for 480 hours in NSS -. Neutral Salt Spray – chamber).

F9000 Mobile Validator

MOBILE VALIDATOR F9000 - THE REMOTE F9000 KEY PROGRAMMING UNIT

The F9000 Mobile Validator allows Security Manager of remote and unmanned sites to provide access authorization to a Mobile Workforce of technicians typically on the move and connected to the office with smartphones or tablets.

It is a battery operated portable device that allows the remote programming of the F9000 keys for Mobile Workforce.

The F9000 Mobile Validator connects to ISEO Atlas Server using the mobile device (smartphone or tablet) Internet connection, and communicates to it via Bluetooth Smart.

Key points

The F9000 Mobile Validator offers a solution to program from remote the F9000 firmware V2 Mechatronic keys allowing to:
- Change easily geographic access permissions.
- Provide limited time access to locations or weekly schedules.
- Extend automatically the current validity period for additional predetermined hours.
- Readout events from the user keys.
- Get low battery alerts.

Technical features

Connectivity to Bluetooth Smart Ready devices with a dedicated software application available for:
- iOS from iOS10.
- Android from version 5.0 (Lollipop) featuring Bluetooth Smart Ready hardware.

Powered with rechargeable lithium battery.

Micro USB Type B connector for battery recharge via 5V DC external power supply.

Visual status signaling:
- LED red, LED green.

Acoustic signaling:
- Buzzer.

Environmental characteristics:
- Operating temperature: -20°C to + 70°C.
- Storage temperature: -25°C to + 75°C.
- Protection system (IP Grading): IP44.

Dimensions: 50x87x98 mm.

Software upgradable via Bluetooth Smart.

F9000 V2 Electronic Keys

F9000 KEYS: USER, PROGRAMMER AND EMERGENCY.

The electronic keys F9000 have the same features as the mechanical keys, moreover they represent the energy source for the cylinder and transfer the customized credentials for each user.

Main functions

- Unique non duplicable key with customized authorizations.
- Batteries within the key.
- Multicolor Led signaling batteries status.
- Up to 100.000 cylinders and 50.000 keys in a single system.
- Easy and flexible programming of authorizations and time profiles with V364 software.

ELECTRONIC KEY (USER AND PROGRAMMER KEY)

Paracentric key profile

Nickel silver key.

Electronic key non duplicable.

Data and energy transmission without electric contact.

Key neck 12 mm long, suitable for Defender.

2 lithium batteries CR1620 in the key for power source.

Battery status visible on the User key.

Both positive and denied opening events in the key.

It can be combined to MK mechanic cylinder systems.

EN1303:2015 "16000C6D" classification (only user key).

EN15684:2012 "16B4FF32" classification (only user key).

VDS BZ+ version available.

Key version in compliance to ATEX directive available.

Operating temperature: 0°C/+60°C EN60068-2-1/EN60068-2-2.

Humidity: max 93% without condensation (EN60068-2-3).

Impermeability protection grade: IP54.

 V2 Firmware

EMERGENCY KEY

Paracentric key profile.

Nickel silver key.

Electronic non duplicable key.

Data and energy transmission without electric contacts.

Key neck 12 mm long, suitable for Defender.

2 lithium batteries with higher capacity, soldered and resinated, not recoverable (*).

Batteries life time up to 5 years (*).

Time shifts management not enabled.

Battery status visible on the User key.

EN1303:2015 "16000C6D" classification.

EN15684:2012 "16B4FF32" classification.

Operating temperature: -15°C/+60°C EN60068-2-1/EN60068-2-2.

Storage temperature: -30°C/+60°C EN60068-2-1/EN60068-2-2.

Humidity : max 93% without condensation (EN60068-2-3)

Impermeability protection grade: IP66 and IP67.

V2 Firmware

F9000 ON / UP / PR / EM Electronic Keys

F9000 KEYS: USER (ON AND UP), PROGRAMMER (PR) AND EMERGENCY (EM).

The electronic keys F9000 have the same features as the mechanical keys, moreover they represent the energy source for the cylinder and transfer the customized credentials for each user.

Main functions

- Unique non duplicable key with customized authorizations.
- Long-life battery within the key.
- Multicolor Led signaling batteries status.
- Up to 65.536 cylinders and 120.000 keys in a single system.
- Time validity and time schedules in user keys ON and UP.
- Corrosion, dust, atmospheric events and electrostatic discharge protection thanks to the patented data and energy transmission without electric contact.
- Mechanical key like user experience thanks to the fast key authentication (< 80ms).
- RTC clock in ON and UP user keys and in PR programmer key.
- Easy and flexible programming of authorizations and time profiles with V364 software.

Technical features

Paracentric key profile

Nickel silver key.

Electronic key non duplicable.

Data and energy transmission without electric contact.

Key neck 12 mm long, suitable for Defender.

1 lithium battery CR2450 in the key for power source.

Battery status visible on the User key (multicolor LED and optional buzzer).

It can be combined to MK F9 and F900 mechanic cylinder systems.

Combination with RFID technology option (22mm TAG embedded in key cover).

Key version in compliance to ATEX 2014/34/EU directive available: classification "Ex II 2 G Ex ib IIB T4".

Operating temperature: -20°C/+70°C EN60068-2-1/EN60068-2-2.

Humidity: max 93% without condensation (EN60068-2-3).

Impermeability protection grade: IP65 according to IEC standard 60529.

Impact protection grade: IK08 according to IEC standard 62262.

USER KEY ON

Access rights update with F9000 cabled Validators/Readers and Mobile Validator.

Battery life up to 5 years (*).

Events stored in the key (standard 1.000 events).

RTC clock (continues to work up to 5 minutes while battery change).

Time validity and time schedules.

EN1303:2015 "16000C6D" classification.

EN15684:2012 "16B4FF32" classification

VDS BZ+ version available.

F9000 ON / UP / PR / EM Electronic Keys

USER KEY UP

Access rights update with F9000 cabled Validators/Readers and Mobile Validator.

Battery life up to 10 years (*).

Events stored in the key (standard 1.000 events).

RTC clock (continues to work up to 5 minutes while battery change).

Time validity and time schedules.

EN1303:2015 "16000C6D" classification.

EN15684:2012 "16B4FF32" classification

VDS BZ+ version available.

PROGRAMMER KEY PR

Bluetooth Smart connectivity for access rights upgrade with Smartphone.

Access rights update with F9000 cabled Validators/Readers and Mobile Validator.

Battery life up to 5 years (*).

Cylinders programming and events reading functions.

It cannot open (mechanically) the F9000 cylinders.

RTC clock (continues to work up to 5 minutes while battery change).

EMERGENCY KEY EM

Access rights update with F9000 cabled Validators/Readers and Mobile Validator.

Battery life over 5 years (*).

Time shifts management not enabled.

Suitable for Fire Brigates.

Events stored in the key (standard 1.000 events).

EN1303:2015 "16000C6D" classification.

EN15684:2012 "16B4FF32" classification

VDS BZ+ version available.

(*) at 20 °C with 10 openings per day

Management System Components
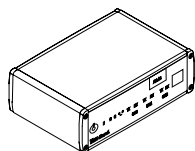
ATLAS PLUS CONTROLLER (MASTER) FOR RFID AND F9000 DEVICES
Ethernet TCP/IP 10/100 base T connection.
n. 1 Lockbus channel to connect Stylos readers and actuators (max 8 Stylos + 8 actuators).
n. 2 RS485 channels to connect F9000 on-line readers (max 1 per channel).
Compatible with Lockbus and RS485 readers and actuators.
n. 2 USB Host channels.
n. 1 MicroSD slot.
Desktop housing.
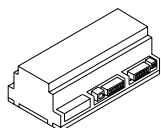Power supply 12-24Vdc.
Power supply 230Vac/12Vdc included.
Maximum Power Consumption 15 W.
Package: 1 controller with connectors, 1 power supply, 1 installation manual.
Note: serial programming cable not included.

	Package	Code
	1	5E002012

ATLAS PLUS DIN CONTROLLER (MASTER AND SLAVE) FOR RFID AND F9000 DEVICES
Ethernet TCP/IP 10/100 base T connection.
n. 1 Lockbus channel to connect Stylos readers and actuators (max 8 Stylos + 8 actuators).
n. 2 RS485 channels to connect F9000 on-line readers (max 1 per channel).
Compatible with Lockbus and RS485 readers and actuators.
n. 2 relè (30V 5A)
n. 2 USB Host channels.
n. 1 MicroSD slot.
DIN35 rain installation housing.
Power supply 12-24Vdc or P.O.E.
Power supplier 230Vac/12Vdc not included.
Maximum Power Consumption 15 W.
Package: 1 controller with connectors, 1 installation manual.
Note: serial programming cable and power supplier not included.

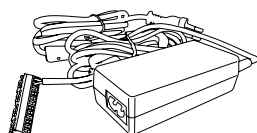|	Package	Code
12-24 VDC POWER SUPPLY	1	5E052014
P.O.E. POWER SUPPLY	1	5E052016

POWER SUPPLY UNIT 24VDC - 36W (FOR ATLAS DIN)
Input 100-240Vac. Output 24Vdc 1.5A.
Desktop version, 2 pin standard plug.
Package: 1 power supply unit.

	Package	Code
	1	5E3005
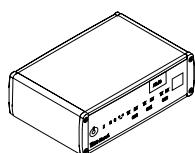
ATLAS STANDARD CONTROLLER (SLAVE) FOR RFID AND F9000 DEVICES
Ethernet TCP/IP 10/100 base T connection.
n. 1 Lockbus channel to connect Stylos readers and actuators (max 8 Stylos + 8 actuators)
n. 2 RS485 channels to connect F9000 on-line readers (max 1 per channel).
Compatible with Lockbus and RS485 readers and actuators.
n. 2 USB Host channels.
n. 1 MicroSD slot. Desktop housing.
Power supply 12-24Vdc. Power supply 230Vac/12Vdc included.
Maximum Power Consumption 15 W.
Package: 1 controller with connectors, 1 power supply, 1 installation manual.
Note: serial programming cable not included.

	Package	Code
	1	5E002010

Package

Code

Management System Components
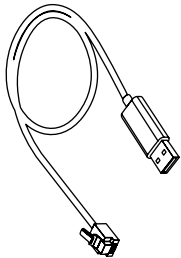
SERIAL COMMUNICATION CABLE FOR ATLAS
USB - serial cable for Atlas programming
Package: 1 cable

	1	**Z0130001**
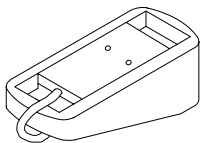
RFID MODEM FOR RFID OFF-LINE DEVICES
In combination with a notebook, equipped with the ISEO communication software
"Hermes SW", it is used to program, to synchronize and log readout.
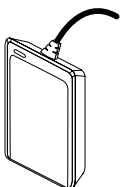the offline RFID devices.
USB interface.
Plastic adapter included.
Package: 1 modem with plastic adapter, 1 user manual.

	1	**541E00010**

DESKTOP RFID READER/WRITER
USB interface.
Multicolor signaling LEDs.
Package: 1 reader/writer, 1 user manual.

	1	**E03200**

ISEO

Management System Components

Stylos 2 Line
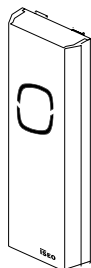
CREDENTIAL READER WITH LED.
RFID contactless multistandard 13,56 Mhz
ISO14443/A - ISO14443/B (compatible also with Mifare Desfire cards).
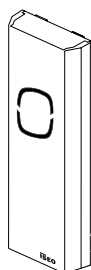Lockbus interface.
8-30Vdc Power Supply.
Wall mounting.
Package: 1 reader, instruction manual,
2 screws for metal, 2 screws for plastic, 2 fisher adaptors.

	Package	Code
Functioning as reader/validator, on-line and stand-alone gate	1	**5E1310126**

ALL-WEATHER CREDENTIAL READER MODULE.
RFID contactless Multistandard 13,56 Mhz
ISO14443/A - ISO14443/B (compatible also with Mifare Desfire cards).
Multicolor signaling LEDS.
To be used with 5E0520010.
IP66 protection grade.
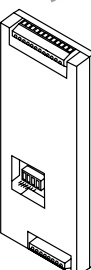Control unit connection cable included (L=5 Mt)
Wall mounting.
Package: 1 reader module with connecting cable, installation sheet,
2 metal screws, 2 plastic screws, 2 fisher adaptors.
Note: control unit non included, to be ordered separately.

	Package	Code
	1	**5E1312106**

CONTROL UNIT FOR ALL-WEATHER READER MODULE.
Compatible with all-weather credential reader modules.
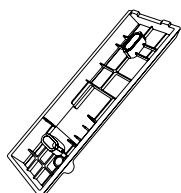Lockbus interface.
8-30Vdc Power Supply.
DIN35 rail housing.
Packaging: 1 control uni with connectors,
1 DIN35 rail fixing kit, installation manual.
Note: reader module non included, to be ordered separately.

	Package	Code
Functioning as reader/validator, on-line and stand-alone gate	1	**5E0520010**

PLASTIC BACK HOUSING FOR CREDENTIAL READER.
Wall mounting version.

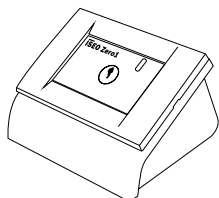|	Package	Code
	5	**5E0000135**

Package

Code

Management System Components
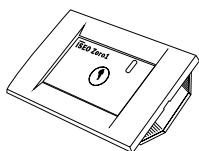
DESKTOP READER/WRITER FOR F9000 KEYS
RS485 interface.
Multicolor signaling LEDs.
Package: 1 reader/writer, 1 installation manual.

1	**E03212**

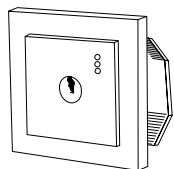**FRAME MOUNTING READER/WRITER FOR F9000 KEYS**
RS485 interface.
Multicolor signaling LEDs.
Compatible with boxes and "Vimar Idea" frames
Packaging: 1 reader/writer, 1 Vimar Idea Rondò plastic plate color black,
1 installation manual.

Note: 503 box not included.

1	**E03222**

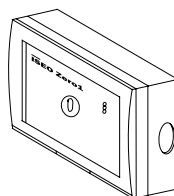**FRAME MOUNTING READER/WRITER FOR F9000 KEYS**
RS485 interface.
Multicolor signaling LEDs.
Compatible with GIRA boxes and plates.
Packaging: 1 reader/writer, 1 GIRA plate and cover frame , 1 installation manual

Note: wall plastic box not included.
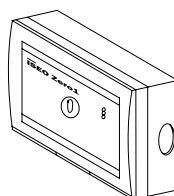
1	**E03242**

WALL MOUNTING READER/WRITER FOR 9000 KEYS
RS485 interface.
Multicolor signaling LEDs.
Wall mounted box.
Packaging: 1 reader/writer, 1 installation manual.

1	**E03262**

WALL MOUNTING READER/WRITER IP55 FOR F9000 KEYS
Suitable for outdoor installations.
RS485 interface.
Multicolor signaling LEDs.
Wall mounted box with protective flap (IP55).
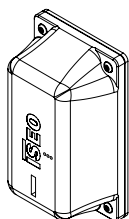Packaging: 1 reader/writer, 1 installation manual.

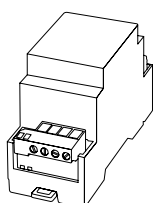|	
1	**E03232**

ISEO

Management System Components

WALL MOUNTING ANTIVANDAL HEAVY DUTY READER/WRITER FOR F9000 KEYS
Suitable for outdoor installations (IP66, IP67 and IP69)
Very high resistance to impact (IK10)
RS485 interface
Multicolor signaling LEDs
Package: 1 reader/writer, fixing screws, 1 installation manual

	Package	Code
	1	**E03201**

ELECTRIC LOCK ACTUATOR.
1 relay + 1 booster.
3 inputs (1 digital, 1 analog, 1 digital/analog)
Lockbus interface
8-30Vdc Power Supply
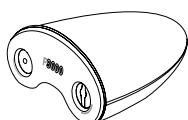**DIN35 rail mounting.**
Package: 1 actuator, instruction manual.

	1	**5E2501**

ELECTRICAL JUMPER.
For special multidevice configurations.

	5	**5E00000205**

V2 F9000 KEY MOBILE VALIDATOR
Remote V2 F9000 key programming unit.
Connectivity to Bluetooth Smart Ready devices with a dedicated
software application available for iOS and Android smartphones and tablets.
Powered with rechargeable lithium battery.
Micro USB Type B connector for battery recharge via
5V DC external power supply.
Visual and acoustic Status signal.
Package: 1 programmer, 1 USB cable, 1 usage manual

Note: power supplier not included.

	1	**E03102**

V2 F9000 PROGRAMMER KEY
Uncoded programmer key.
Multi-function LED signalling the programming and battery status.
Lithium batteries directly replaceable by the end user.
Functions:
- Data transmission between software and cylinders
- Download of events from the cylinders
Packaging: 1 key

|	Package	Code
	1	**80EEI000S0**
ATEX Version	1	**80EEI000S0.EX**

ISEO Zero1

Management System Components

V2 F9000 USER KEY

Conventional multi-profile non-duplicable key.
Energy and coded data transmission between key and cylinder
is without electric contacts.
Multi-function LED signalling access authorization and battery status.
Lithium batteries directly replaceable by the end user.
Functions:
- It stores time schedules and events.
- Validation and reprogramming functions via F9000 on-line readers.
Packaging: 1 key

	Package	Code
	1	80EAMKI0S0
ATEX Version	1	80EAMKI0S0.EX
Compatible with F900 mechanical cylinders	1	80EMMKI0S0
Compatible with F900 mechanical cylinders - ATEX Version	1	80EMMKI0S0.EX
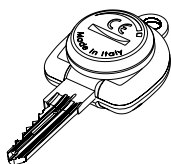
V2 F9000 USER KEY WITH TRANSPONDER

Same features as V2 F9000 User Key.
MIFARE Classic 4K transponder within battery plug
allowing to use key in compatible access control system
(other typologies of transponders available on request).
Packaging: 1 key

	Package	Code
	1	80EASKI1S0
ATEX Version	1	80EASKI1S0.EX
Compatible with F900 mechanical cylinders	1	80EMSKI1S0
Compatible with F900 mechanical cylinders - ATEX Version	1	80EMSKI1S0.EX
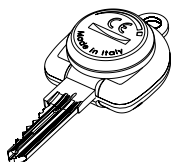
V2 F9000 EMERGENCY KEY

Energy and coded data transmission between key and cylinder
is without electric contacts.
Equipped with high power batteries to guarantee a duration up to 5 years.
Completely sealed with IP67 protection grading.
Multi-function LED signaling access authorization and battery status.
Packaging: 1 key

	Package	Code
	1	80EASKIPS0
ATEX Version	1	80EASKIPS0.EX
Compatible with F900 mechanical cylinders	1	80EMSKIPS0
Compatible with F900 mechanical cylinders - ATEX Version	1	80EMSKIPS0.EX

PLUG WITH TRANSPONDER KIT

Battery plug for user key with integrated MIFARE Classic 4K transponder,
allowing to use key in compatible access control systems
(other typologies of transponders available on request).

	Package	Code
Kit 10 pcs	1	E031701

Management System Components
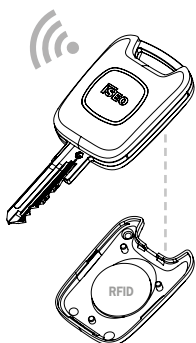
F9000 ON USER KEY
Conventional multi-profile non-duplicable key.
Energy and coded data transmission between key and cylinder
is without electric contacts. Integrated pushbutton.
Multi-function LED signalling access authorization and battery status.
Lithium battery directly replaceable by the end user.
Functions:
- It stores time schedules and events.
- Validation and reprogramming functions via BT4.0 interface with Iseo V364 Mobile APP.
Packaging: 10 keys

	1	**80SAMKI030**
ATEX Version	1	**80SAMKI030.EX**
Compatible with F900 mechanical cylinders	1	**80SMMKI030**
Compatible with F900 mechanical cylinders - ATEX Version	1	**80SMMKI030.EX**

F9000 ON USER KEY WITH RFID TRANSPONDER
Same features as F9000 ON User Key.
Transponder within back cover
allowing to use key in compatible access control system
(other typologies of transponders available on request).
Packaging: 10 keys

MIFARE Classic 4K Transponder:

	1	**80SAMKI130**
ATEX Version	1	**80SAMKI130.EX**
Compatible with F900 mechanical cylinders	1	**80SMMKI130**
Compatible with F900 mechanical cylinders - ATEX Version	1	**80SMMKI130.EX**

MIFARE Desfire EV2 8K Transponder:

	1	**80SAMKI330**
ATEX Version	1	**80SAMKI330.EX**
Compatible with F900 mechanical cylinders	1	**80SMMKI330**
Compatible with F900 mechanical cylinders - ATEX Version	1	**80SMMKI330.EX**

ISEO Zero1

Management System Components

F9000 UP USER KEY
Conventional multi-profile non-duplicable key.
Energy and coded data transmission between key and cylinder
is without electric contacts. Integrated pushbutton.
Multi-function LED signalling access authorization and battery status.
Lithium battery directly replaceable by the end user.
Functions:
- It stores time schedules and events.
- Validation and reprogramming functions via F9000 on-line readers and mobile validator.
Packaging: 10 keys

	1	80SAMKI0S0
ATEX Version	1	80SAMKI0S0.EX
Compatible with F900 mechanical cylinders	1	80SMMKI0S0
Compatible with F900 mechanical cylinders - ATEX Version	1	80SMMKI0S0.EX
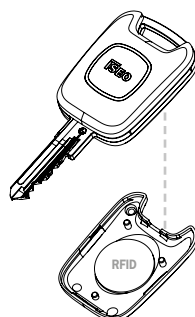
F9000 UP USER KEY WITH RFID TRANSPONDER
Same features as F9000 UP User Key.
Transponder within back cover
allowing to use key in compatible access control system
(other typologies of transponders available on request).
Packaging: 10 keys

MIFARE Classic 4K Transponder:

	1	80SAMKI1S0
ATEX Version	1	80SAMKI1S0.EX
Compatible with F900 mechanical cylinders	1	80SMMKI1S0
Compatible with F900 mechanical cylinders - ATEX Version	1	80SMMKI1S0.EX

MIFARE Desfire EV2 8K Transponder:

	1	80SAMKI3S0
ATEX Version	1	80SAMKI3S0.EX
Compatible with F900 mechanical cylinders	1	80SMMKI3S0
Compatible with F900 mechanical cylinders - ATEX Version	1	80SMMKI3S0.EX

Management System Components

F9000 PR PROGRAMMER KEY
Uncoded programmer key.
Integrated pushbutton.
Multi-function LED signalling the programming and battery status.
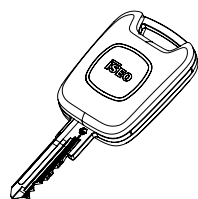Lithium battery directly replaceable by the end user.
Functions:
- Data transmission between software and cylinders
- Download of events from the cylinders
- Reprogramming functions via BT4.0 interface with Iseo V364 Mobile App.
Packaging: 1 key

	1	**80SE00I030**
ATEX Version	1	**80SE00I030.EX**

F9000 EM EMERGENCY KEY
Energy and coded data transmission between key and cylinder
is without electric contacts.
Equipped with high power batteries to guarantee a duration up to 5 years.
Completely sealed with IP65 protection grading.
Integrated pushbutton.
Multi-function LED signaling access authorization and battery status.
Packaging: 1 key

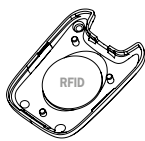|		
	1	**80SAMKIPS0**
ATEX Version	1	**80SAMKIPS0.EX**
Compatible with F900 mechanical cylinders	1	**80SMMKIPS0**
Compatible with F900 mechanical cylinders - ATEX Version	1	**80SMMKIPS0.EX**

	Package	Code

Management System Components

BACK COVER
Back cover for replacement in electronic keys (ON, UP, PR and EM)

| | 10 | **E03270** |

BACK COVER WITH RFID TRANSPONDER KIT
Back cover for user key with integrated transponder,
allowing to use key in compatible access control systems
(other typologies of transponders available on request).

| MIFARE Classic 4K transponder | 10 | **E03271** |
| MIFARE Desfire EV2 8K transponder | 10 | **E03273** |
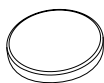
LITHIUM BATTERY FOR F9000 ON/UP/PR/EM KEYS
Button Battery CR2450
for replacement in electronic keys (ON, UP, PR and EM).

| | 10 | **E03290** |
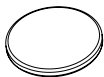
LITHIUM BATTERY FOR F9000 V2 KEYS
Button Battery SONY CR 1620
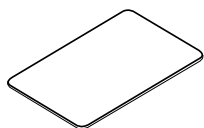for replacement in electronic keys.

| | 10 | **050043** |

ISEO

Management System Components

USER CARD (ISEO LOGO)
RFID card.
Mifare 4K ISO14443/A chip.
ISEO logo on both sides.
UID printed.

	Package	Code
Mifare Classic 4K (IS01)	10	**5E402100**
Mifare Desfire EMV1 8K (IS02)	10	**5E404200**

USER CARD (BLANK)
RFID card.
Mifare ISO14443/A chip.
Blank on both sides
(available for customer personalization).

	Package	Code
Mifare Classic 4K - without UID printed	10	**5E402110**
Mifare Classic 4K - with UID printed (IS05)	10	**5E402120**
Mifare Desfire EV1 8K - with UID printed (IS06)	10	**5E404220**

KEYFOB TRANSPONDER (BLANK)
RFID TAG for Off-line system.
Mifare 4K ISO14443/A chip.
Blank on bolt sides.

	Package	Code
Mifare Classic 4K	10	**KEYFOB1356MF4**

PEAR KEYFOB TRANSPONDER (ISEO LOGO)
RFID TAG for Off-line system.
Mifare 4K ISO14443/A chip.
GREY. ISEO Logo.
UID printed.

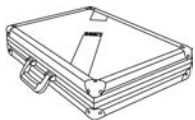|	Package	Code
Mifare Classic 4K (IS03)	10	**5E412100**
Mifare Desfire EMV1 8K (IS04)	10	**5E414200**

Management System Components
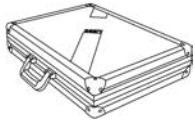
RFID V364 DEMO CASE
Demo plant for RFID V364.
It includes:
1 Atlas Plus
1 Stylos LED reader
4 Libra cylinders
10 ISEO V364 Mifare Classic cards
1 WIFI router
1 USB pen with documentation.

1	**000926**

F9000 V364 DEMO CASE
Demo plant for F9000 V364.
It includes:
1 Atlas Plus
1 F9000 wall reader/writer
1 actuator
4 F9000 cylinders
1 F9 cylinder
3 F9000 ON keys
3 F9000 V2 keys
1 F9000 PR key
1 WIFI router
1 USB pen with documentation.

1	**000925**

F9000 ON DEMO KIT
Display with n.2 F9000 V2 + n.1 F9 cylinder
1 F9000 Universal padlock
3 F9000 ON keys
1 F9000 PR key

1	**000956**

Aries

The installation flexibility and simplicity make it the perfect solution for community and residential access control (shopping malls, industries, public and private offices, schools and universities, hospitals and retired hostels, residences and hotels, etc.).

Key points

ARIES electronic trim set can be fit on most doors. It is conceived to be used also with the majority of mechanical locks, for the utmost installation flexibility.

The battery operation and cableless technology makes ARIES the perfect solution for access management, ensuring utmost flexibility and low installation costs both on new and existing doors.

Its **38 mm** narrow profile allows for a simple installation on any door (wooden, aluminium, metal, PVC and so on), together with locks with a backset of **only 25 mm**.

The nylon underplate allows to install ARIES electronic trim set (in combination with locks with backset minimum 40 mm) in replacement of old mechanical handles covering any holes on the door.

All electronic and mechanical devices are inside the trim set and fixing only requires 3 holes on the door - one for the handle follower and one for the two fixing screws. This ensures a rapid, simple and harmless installation even on existing doors.

Minimal and stylish, with several finishes, ARIES easily adapts to any type of environment, from classical to modern.

Main functions

- Multistandard RFID Reader (ISO14443A/ISO14443B - 13,56MHz)
- SMART version with Radio BT 4.0
- Wake up by RFID card detection or phone (patented) or Real Time Clock.
- Energy-friendly, battery-operated device
- Permanently open mode (office mode) without no extra battery consumption.
- Battery charge status.
- Real Time Clock/Calendar.
- Handle movement detection.
- Emergency mechanical key detection.
- Privacy signal.
- Narrow profile (38 mm).
- Compatible with most mechanical lock.
- Quick and easy installation.
- Light and acoustic signals.
- On-site software upgrading.
- IP55 version for outdoor installation.

ISEO

Aries

Technical features:

RFID Reader Multistandard 13,56 Mhz:
- ISO14443A (Mifare Classic, Plus, Desfire);
- ISO14443B (i.e. ST microprocessors cards);

Communication interface:
- RFID Near Field Magnetic communication.
- Radio BT 4.0 (SMART version only)

Main batteries:
- 2 AA 3.6 Vdc lithium batteries;

Battery life:
Without radio version:
- Up to 5 years (*);
- Up to 50.000 opening (*);
With radio BT 4.0 version:
- Up to 2 years (*);
- Up to 20.000 opening (*);
3 levels battery charge detection.

Emergency override cylinder:
- High Security Iseo R90 Factory Monoprofile. Up to 3 mechanical recodings;
- Usage detected by electronics. KA on the same installation.

External emergency power supply:
- For installations with no override cylinder. Connector under external cover plate;
- Standard 9V battery usage.

Follower/cylinder center distance:
- 70, 72, 85 and 92 mm.

Signalling: LEDs: 1 Green, 1 Red; Buzzer.

Privacy device (optional):
- Ergonomic knob;
- Signal reset after each door opening.

Software:
Versions available:
-"Offline" with management software SIRIO and V364;
- "ARGO" with APP for smartphone (SMART version only)
- OEM development platform available;
- On-site software upgrading.

Finishes:
- Inox
- Polished Inox
- Satin brass
- Polished brass
* - AntiGerm (on request)

Handle:
- Safety U-shaped profile;
- Left or rigth hand to be set during installation.

Mechanical locks compatibility:
- 7, 8 or 9 (**) mm handle follower;
- Center distance follower/cylinder 70, 72, 85 and 92 mm;
- Backset: minimum 25 mm. European profile cylinder hole;
- Latchbolt only or automatic deadbolt function.

(*) Depending on usage, environment, options.
(**) With adaptor.

* **Anti**GERM : antibacterial protection

Aries

Door thickness:
- 40 - 85 mm (standard accessories);
- 85 - 120 mm (special accessories).

Environmental characteristics:
- Operating temperature: -20°C ÷ +60°C;
- Storage temperature: -25°C ÷ +75°C;
- Protection system (IP grading): IP54 or IP55.

Dimensions:
- Plate width: 38 mm;
- Plate length: 294 mm;
- Plate thickness: 17 mm;
- Handle length: 131 mm from plate center;
- Weigth: 1530 gr.

Suitable for use fire/smoke resisting door assemblies.

Options and versions:

SMART version with BT 4.0;

With and without privacy device;

With mechanical emergency key override:
- Hidden cylinder (under the external cover);
- Visible cylinder.

Without mechanical emergency key override (external emergency power supply);

Black plastic underplate (70 mm width);

IP54 version for protected installations or IP55 version for outdoor installations.

EN179 certification available in combination with specific locks

Version for installation with panic devices EN1125 certification available in combination with specific panic devices and locks
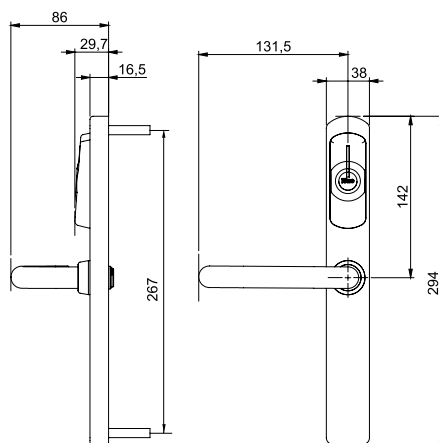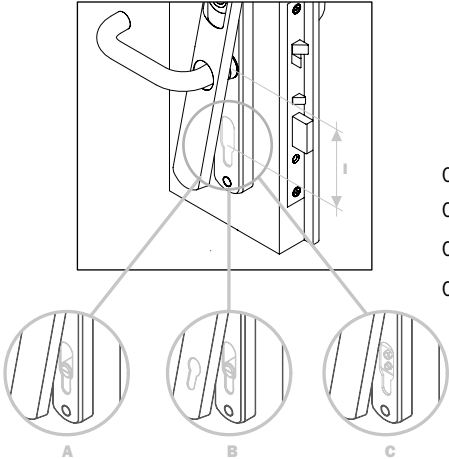

MIFARE is a NXP Semiconductors-owned trademark.

Aries products selection guide

ARIES electronic trim set is available in different versions which meet customers' needs and suit doors features. For a correct installation it is necessary to select the proper accessories according to the door features and dimensions and the specific usage exigencies. The following products selection guide helps you choosing the specific articles to place a correct order.

1. Electronic trim set Aries (compulsory)

0 0 E 1 **X** **X** **X** 1 **X** 2 **X**

FINISHES

Without cylinder hole **1**
Cylinder hole center distance 85 mm **2**
Cylinder hole center distance 90 mm **3**
Cylinder hole center distance 70 mm **4**
Cylinder hole center distance 72 mm **5**

2 Inox
K Polished Inox
S Satin Brass
L Polished Brass

Internal usage version EN179 (IP54) **1**
Internal usage version EN1125 (IP54) **2**
External usage version EN179 (IP55) **5**
External usage version EN1125 (IP55) **6**

Electric emergency – with privacy **1**
Electric emergency – without privacy **2**
Mechanical emergency – with privacy **3**
Mechanical emergency – without privacy **4**

1 NO Radio

2 Radio BT 4.0 (SMART)

Privacy	YES
	NO
Override	**A** HIDDEN mechanical override
	B Visible mechanical override I=70*
	Visible mechanical override I=72 *
	Visible mechanical override I=85
	Visible mechanical override I=92 *
	C Electric override
Finish	**2** Inox
	K Polished Inox
	S Satin Brass
	L Polished Brass
Environmental protection (IP grade)	IP54 (internal use)
	IP55 (external use)
Electronic	**1** No Radio
	2 Radio BT 4.0 (SMART)

*Available on request

ISEO Zero1
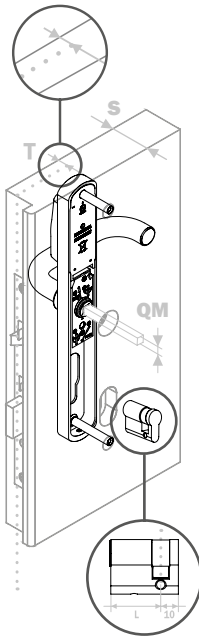
Aries products selection guide

2. Handle follower and screws set (compulsory)

Handle follower (QM = mm)	7 mm
	8 mm
	9 mm

Door thickness (S = mm)	40 - 55 mm
	55 - 70 mm
	70 - 85 mm

3. Override cylinder (optional)

NO (in case of electric emergency override)

YES	VISIBLE CYLINDER		HIDDEN CYLINDER	
	08 < T< 13	L = 30 + 10 mm	17 < T< 27	L = 30 + 10 mm
	13 < T< 23	L = 40 + 10 mm	27 < T< 37	L = 40 + 10 mm
	23 < T< 33	L = 50 + 10 mm	37 < T< 47	L = 50 + 10 mm

S = door thickness (mm)
T = distance between front plate axis of simmetry of mechanical lock and the external door edge
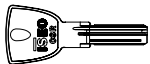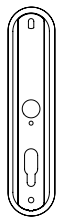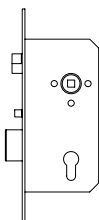
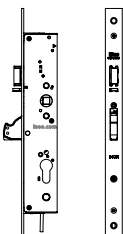## 4. Override keys set (optional)

Necessary in case of mechanical override
1 for plant with KA cylinders

5. Underplate (optional)

6. Lock (optional)

ISEO

Aries

ELECTRONIC TRIM SET, OFFLINE SOFTWARE
Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz).
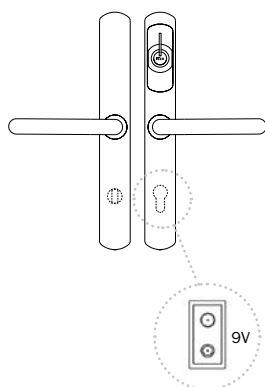Mechanical or electrical override.
Mechanical cylinder **override detection, only with ISEO R90 cylinder.**
Privacy device (optional)**.**
Security U-shaped handle.
Package: 1 trim (pair), 2 batteries, 2 mm hex key, instruction manual.
NOTE: Handle follower and fixing screws set, mechanical override cylinder and mechanical lock not included.

Coding

0 0 E 1 **X** **X** **X** 1 **X** 2 **X**

Without cylinder hole **1**
Cylinder hole center distance 85 mm **2**
Cylinder hole center distance 90 mm **3**
Cylinder hole center distance 70 mm **4**
Cylinder hole center distance 72 mm **5**

Internal usage version (IP54) **1**
External usage version (IP55) **5**

Electric emergency – with privacy **1**
Electric emergency – without privacy **2**
Mechanical emergency – with privacy **3**
Mechanical emergency – without privacy **4**

FINISHES

2 Inox
K Polished Inox
S Satin brass
L Polished brass

1 NO Radio
2 Radio BT 4.0 (SMART)

Code	
00E1***1*2*	Electronic trim set for panic devices, RFID multistandard reader - basic configuration
	Extra
	Override cylinder external side
	- Missing
	- Preset with 70, 72, 85, 92 mm centre distance
	Features
	- For internal (IP54)
	- For external (IP55)
	Emergency / Privacy signal
	- Electric emergency - With privacy
	- Electric emergency - Without privacy
	- Mechanical emergency - With privacy
	- Mechanical emergency - Without privacy
	Electronics
	- No Radio
	- Bt 4.0 Radio **(Smart)**
	Finishes
	- Inox
	- Inox polished
	- Satin Brass
	- Polished Brass

Aries

ELECTRONIC TRIM SET FOR PANIC DEVICES, OFFLINE SOFTWARE
Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz).
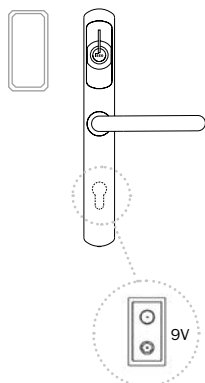Mechanical or electrical override.
Mechanical cylinder **override detection (hidden), only with ISEO R90 cylinder.**
Security U-shaped handle.
EN1125 certification in combination with specific panic devices.
Package: 1 trim, 1 battery holder, 2 batteries, 2 mm hex key, instruction manual.
**NOTE: Handle follower and fixing screws set, mechanical override cylinder
and mechanical lock not included.**

Coding

```
0   0   E   1   X   X   X   1   X   2   X
```

FINISHES

Without cylinder hole **1**
Cylinder hole center distance 85 mm **2**
Cylinder hole center distance 90 mm **3**
Cylinder hole center distance 70 mm **4**
Cylinder hole center distance 72 mm **5**

2 Inox
K Polished Inox
S Satin brass
L Polished brass

Internal usage version (IP54) **2**
External usage version (IP55) **6**

Electric emergency – without privacy **2**
Mechanical emergency – without privacy **4**

1 NO Radio
2 Radio BT 4.0 (SMART)

Code

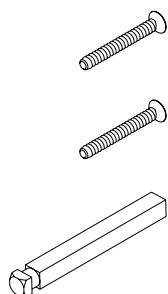|	
00E1***1*2*	Electronic trim set for panic devices, RFID multistandard reader - basic configuration
	Extra
	Override cylinder external side
	- Missing
	- Preset with 70, 72, 85, 92 mm centre distance
	Features
	- For internal (IP54)
	- For external (IP55)
	Emergency / Privacy signal
	- Electric emergency - Without privacy
	- Mechanical emergency - Without privacy
	Electronics
	- No Radio
	- Bt 4.0 Radio **(Smart)**
	Finishes
	- Inox
	- Inox polished
	- Satin Brass
	- Polished Brass

Aries

SCREWS AND HANDLE FOLLOWER KIT
2 screws M5 with threadlocking.
Package: 2 screws, 1 handle follower
NOTE: Select the right kit depending on door thickness.

7 mm Spindle

	Package	Code
Door thickness from 40 to 55 mm	1	**201E074055A**
Door thickness from 55 to 70 mm	1	**201E075570A**
Door thickness from 70 to 85 mm	1	**201E077085A**

8 mm Spindle

	Package	Code
Door thickness from 40 to 55 mm	1	**201E004055A**
Door thickness from 55 to 70 mm	1	**201E005570A**
Door thickness from 70 to 85 mm	1	**201E007085A**

9 mm Spindle (for fire doors)

	Package	Code
Door thickness from 40 to 55 mm	1	**201E094055A**
Door thickness from 55 to 70 mm	1	**201E095570A**
Door thickness from 70 to 85 mm	1	**201E097085A**

SCREWS AND HANDLE FOLLOWERS KIT
For panic devices installation.
Followers 9 mm and fixing screws for doors thickness up to 85 mm.
NOTE: to be cut according to door thickness

	Package	Code
	1	**201E915570A**
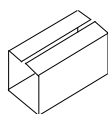
ADAPTER FOR HANDLE FOLLOWER
8 to 9 mm adapter

	Package	Code
	10	**5060000900092**
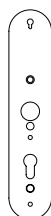
ADAPTER PLATE KIT
For panic devices installation with
series 214* panic lock case (DIN 72 mm center distance)
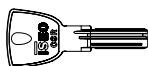Package: 1 adapter plate.

	Package	Code
	1	**529E000040**
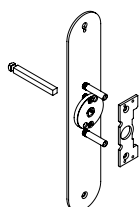
ADAPTER PLATE KIT
For RIM panic devices installation
Package: plates, fixing screws, accessories.

	Package	Code
	1	**567E0000540**

ISEO Zero1

Aries

OVERRIDE KEYS KIT
3 R90 keys in sequence
Property cards
Package: 3 keys, 2 property cards

	Package	Code
	1	**80RCKR0F0**

OVERRIDE MECHANICAL CYLINDER
Monoprofile with usage detection plate
High Security ISEO **R90 Factory**
Up to 3 mechanical recodings
KA on the same installation
Nickel plated finish
Without keys
Package: 1 cylinder, 1 fixing screw
**NOTE: Select the right dimension depending on door and lock features
(see guide at page 1-7 paragraph 3).**
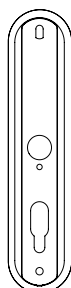
Override keys to be ordered separately.

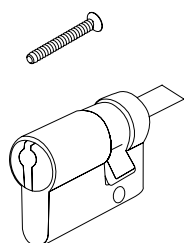|	Package	Code
Lenght 30 - 10 mm	1	**82RC030A19RF.08**
Lenght 40 - 10 mm	1	**82RC040A19RF.08**
Lenght 50 - 10 mm	1	**82RC050A19RF.08**

PLASTIC UNDERPLATE
Black plastic underplate
Dimensions: H=312 mm, L=70 mm
Package: 1 underplate

	Package	Code
	1	**529E00000**
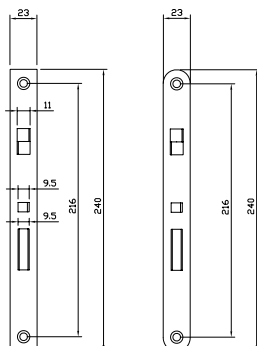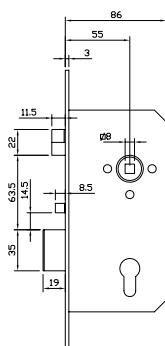
AUTOMATIC MECHANICAL LOCK
Mortise lock, **automatic deadbolt function** (18 mm extension)
Panic exit function, splitted latchbolt, equipped with
devices against forced entry (reversible).
Backset: 55 mm, center distance: 85 mm, 8 mm handle follower
Chrome plated, squared/rounded frontplate
Package: 1 lock, 1 striking plate.

	Package	Code
Squared frontplate	1	**207553.Z**
Rounded frontplate	1	**217553.Z**

Package

Code

Aries

MULTIBLINDO EASY EXIT LATERAL.
Automatic lock with emergency function to be used with Aries.
Locking: deadbolts automatic relocking when the door is closed.
Opening: latchbolt and deadbolts operated by the handle or the key.
Center distance 92 mm. The microswitch detects and signals the deadbolts status.
Right or left latchbolt, non reversible. To be ordered separately: striking plates 03323*.
Package: 1 lock, instructions.

ONE-PIECE HANDLE FOLLOWER 9 mm
8/9 mm square spindle code 201E094055A included.

Flat front-plate **326x24x3** INOX. Backset mm 35 **DIN LEFT**	1	**7A19163522S.A**
Flat front-plate **326x24x3** INOX. Backset mm 35 **DIN RIGHT**	1	**7A19163522D.A**
Flat front-plate **326x24x3** INOX. Backset mm 40 **DIN LEFT**	1	**7A19164022S.A**
Flat front-plate **326x24x3** INOX. Backset mm 40 **DIN RIGHT**	1	**7A19164022D.A**
Flat front-plate **326x24x3** INOX. Backset mm 45 **DIN LEFT**	1	**7A19164522S.A**
Flat front-plate **326x24x3** INOX. Backset mm 45 **DIN RIGHT**	1	**7A19164522D.A**
Flat front-plate **326x24x3** INOX. Backset mm 50 **DIN LEFT**	1	**7A19165022S.A**
Flat front-plate **326x24x3** INOX. Backset mm 50 **DIN RIGHT**	1	**7A19165022D.A**
Flat front-plate **326x24x3** INOX. Backset mm 55 **DIN LEFT**	1	**7A19165522S.A**
Flat front-plate **326x24x3** INOX. Backset mm 55 **DIN RIGHT**	1	**7A19165522D.A**
Flat front-plate **326x24x3** INOX. Backset mm 60 **DIN LEFT**	1	**7A19166022S.A**
Flat front-plate **326x24x3** INOX. Backset mm 60 **DIN RIGHT**	1	**7A19166022D.A**
Flat front-plate **326x24x3** INOX. Backset mm 65 **DIN LEFT**	1	**7A19166522S.A**
Flat front-plate **326x24x3** INOX. Backset mm 65 **DIN RIGHT**	1	**7A19166522D.A**

ONE-PIECE HANDLE FOLLOWER 8 mm

Flat front-plate **326x24x3** INOX. Backset mm 35 **DIN LEFT**	1	**7A12163522S.A**
Flat front-plate **326x24x3** INOX. Backset mm 35 **DIN RIGHT**	1	**7A12163522D.A**
Flat front-plate **326x24x3** INOX. Backset mm 40 **DIN LEFT**	1	**7A12164022S.A**
Flat front-plate **326x24x3** INOX. Backset mm 40 **DIN RIGHT**	1	**7A12164022D.A**
Flat front-plate **326x24x3** INOX. Backset mm 45 **DIN LEFT**	1	**7A12164522S.A**
Flat front-plate **326x24x3** INOX. Backset mm 45 **DIN RIGHT**	1	**7A12164522D.A**
Flat front-plate **326x24x3** INOX. Backset mm 50 **DIN LEFT**	1	**7A12165022S.A**
Flat front-plate **326x24x3** INOX. Backset mm 50 **DIN RIGHT**	1	**7A12165022D.A**
Flat front-plate **326x24x3** INOX. Backset mm 55 **DIN LEFT**	1	**7A12165522S.A**
Flat front-plate **326x24x3** INOX. Backset mm 55 **DIN RIGHT**	1	**7A12165522D.A**
Flat front-plate **326x24x3** INOX. Backset mm 60 **DIN LEFT**	1	**7A12166022S.A**
Flat front-plate **326x24x3** INOX. Backset mm 60 **DIN RIGHT**	1	**7A12166022D.A**
Flat front-plate **326x24x3** INOX. Backset mm 65 **DIN LEFT**	1	**7A12166522S.A**
Flat front-plate **326x24x3** INOX. Backset mm 65 **DIN RIGHT**	1	**7A12166522D.A**

* See Iseo price list and catalogue
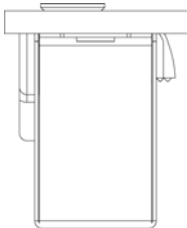
ISEO Zero1

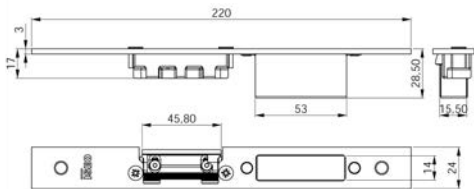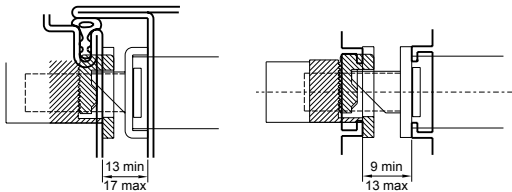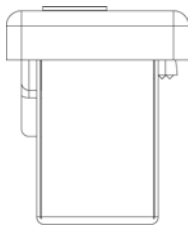## Aries

ADJUSTABLE closed striking plate for **CENTRAL LOCK** MULTIBLINDO EASY.
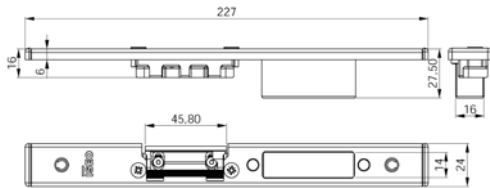Material: stainless steel.
With mechanical striker.

In case the space between the striking plate and the door is greater, it is necessary to use a spacer for the striking plate

Full-size scale

		Package	Code
Flat front-plate **24x3x220 DIN LEFT**		10	**033230**
Flat front-plate **24x3x220 DIN RIGHT**		10	**033231**

ADJUSTABLE closed striking plate for **CENTRAL LOCK** MULTIBLINDO EASY.
Material: stainless steel.
With mechanical striker.

In case the space between the striking plate and the door is greater, it is necessary to use a spacer for the striking plate

Full-size scale

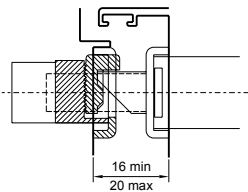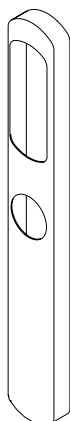|		Package	Code
U-front plate **24x6x220 DIN LEFT**		10	**033232**
U-front plate **24x6x220 DIN RIGHT**		10	**033233**

* See Iseo price list and catalogue

ISEO

Aries

AESTHETIC EXTERNAL COVER
Without cylinder hole
Package: 1 cover

	Package	Code
Inox	1	**561E1120240**
Polished Inox	1	**561E1120230**
Satin brass	1	**561E1120220**
Polished brass	1	**561E1120210**
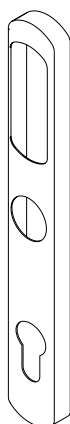
AESTHETIC EXTERNAL COVER
With cylinder hole (85 mm center distance)*.
Package: 1 cover

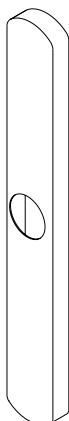|	Package	Code
Inox	1	**561E1220240**
Polished Inox	1	**561E1220230**
Satin brass	1	**561E1220220**
Polished brass	1	**561E1220210**

(*) Further center distances available on request (70, 72 and 92 mm)

Aries

AESTHETIC INTERNAL COVER
Without privacy
Package: 1 cover

	Package	Code
Inox	1	**561E1130240**
Polished Inox	1	**561E1130230**
Satin brass	1	**561E1130220**
Polished brass	1	**561E1130210**
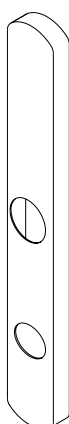
AESTHETIC INTERNAL COVER
With privacy
Package: 1 cover

	Package	Code
Inox	1	**561E1330240**
Polished Inox	1	**561E1330230**
Satin brass	1	**561E1330220**
Polished brass	1	**561E1330210**

ISEO

	Package	Code

Aries
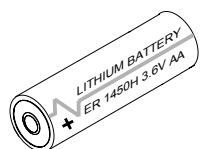
BATTERY
High current lythium battery
Size AA, 3.6 Vcc

	Package	Code
	10	**58200000E0360**
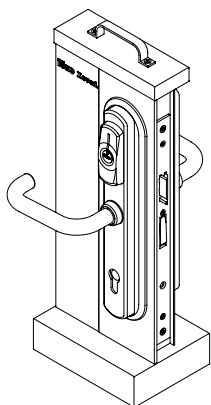
DEMO KIT ON WOODEN STAND, OFF LINE SOFTWARE
Automatic deadbolt mechanical lock, electronic trim set with privacy device,
Emergency override cylinder non visible (with 1 key), underplate on inner side,
Handle and box for easy transportation
Demo cards set
Package: 1 demo display, 1 emergency key, 1 demo cards kit.

SMART VERSION, with automatic lock 2*7553.Z, OFF LINE SOFTWARE

	Package	Code
Inox	1	**FXK0013**
Polished Inox	1	**FXK0014**
Satin brass	1	**FXK0015**
Polished brass	1	**FXK0016**

PANIC EXIT DEVICE SMART VERSION, OFF LINE SOFTWARE

	Package	Code
Inox	1	**FXK0017**
Polished Inox	1	**FXK0018**
Satin brass	1	**FXK0019**
Polished brass	1	**FXK0020**

SMART VERSION, with MULTIBLINDO EASY lateral lock, OFF LINE SOFTWARE

	Package	Code
Inox	1	**FXK0023**

Locker

Locker Lock can be installed on a wide range of cabinets and lockers in order to protect users's belongings while they are in office, gym, swimming pool o in every similar situation where people need to deposit personal items in a secure place.

MAIN FEATURES

AUTO LOCKS JUST CLOSING THE DOOR
Closing the door of the cabinet the locker lock will auto latch.
Using a valid credential the door will unlock allowing access to the locker.

EASY TO INSTALL
the installation of the reader is easy and fast as it needs only 2 screws and a hole for cables passage.

BATTERY OPERATION
The Locker lock is battery powered allowing easy installation in new lockers or retrofit in existing lockers
currently operated by keys

MULTISTANDARD RFID READER
The reader operates at 13,56 Mhz ISO 14443 A/B and it is compatible with card or tag Mifare Classic, Mifare Plus and Mifare DesFire.
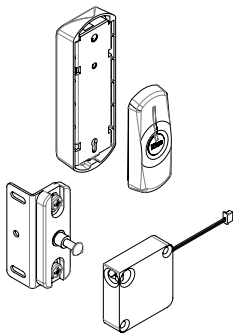
BATTERY ENERGY SAVING
The readers wakeup patented system of the locker lock with a credential allows an energy efficient battery management.

BATTERIES
Locker lock is powered by 2 lithium batteries model ER14505M (3.6V AA). The batteries are in the internal side of the door in order to avoid any manipulation or vandalism.

Locker

SMART LOCKER WITH PIN LATCH, OFFLINE SOFTWARE
Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz).
Lock with pin latch.
Battery holder inside the door.
Package: 1 RFID reader, 2 batteries, fixing screws, instruction manual.

1	**1EL00102I**
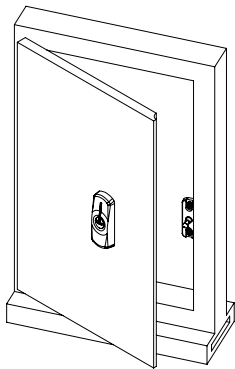
DEMO KIT ON WOODEN STAND
SMART LOCKER WITH PIN LATCH, OFF-LINE SOFTWARE
Lettore RFID Multistandard (ISO14443A/ISO14443B 13,56MHz).
Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz).
Lock with pin latch.
Battery holder inside the door.
Package: 1 demo display.
NOTE: to be used togheter with RFID V364 demo case code 000926.

1	**FXK0001**
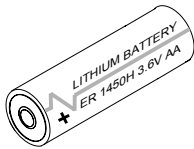
BATTERY
High current lythium battery
Size AA, 3.6 Vcc

10	**58200000E0360**

Libra

Thanks to the quick and easy installation, the electronic cylinder LIBRA is the ideal and universal solution both for the replacement of mechanical European profile cylinders and for installation on new doors. Together with ARIES electronic trim set, LIBRA represents a complete range fulfilling any need for access control management both for community and residential environment (shopping malls, industries, public and private offices, schools and universities, hospitals and retirement homes, residences and hotels, etc.).

Key points

The electronic cylinder LIBRA can be installed in most of the doors equipped with an European profile cylinder hole (EN1303).

It is battery operated, so it doesn't require any electrical external cabling. The result is the best flexibility and cost effectiveness of installation, both in new doors and in retrofitting.

The high modularity of the cylinder, obtained thanks to its patented design, drastically reduces the number of components required to build all the versions and measures necessary to cover the wide range of potential installations, with consequent reduction of components stocks, better flexibility and fast reaction to customer requests.

The unique and innovative design, combined with the finishes and colors available, allows the smooth integration in any architectural contexts.

Main functions

- Multistandard RFID Reader (ISO14443A/ISO14443B).
- SMART version with Radio BT 4.0
- Wake up by RFID card or phone detection (patented) or Real Time Clock.
- Low consumption battery operated.
- Permanently open mode (passage mode) without extra battery consumption.
- Batteries voltage monitoring.
- Real Time Clock/Calendar.
- Compact size and innovative design.
- Compatible with all the mechanical locks equipped with an
  European profile cylinder hole (EN1303, DIN 18252).
- Very easy and quick installation.
- Heavy Duty version with drilling protection over cylinder core and IP66/IP67/IP69 grading.
- Optical and acoustic signalling.
- On-site software upgrading.
- 4 finishes and 2 colors.

Libra

Technical features:

RFID Reader:
- Multistandard 13,56 Mhz:
   - ISO14443A (Mifare Classic, Plus, Desfire)
   - ISO14443B (i.e. ST microprocessor cards)

Communication interface:
- RFID Near Field Magnetic communication
- Radio BT 4.0 (SMART version only)

Main batteries:
- 1 X 2/3A ER17335M 3.6Vcc lithium battery
- Battery replacement from outside with door closed

Battery life:
no radio version:
- Up to 5 years (*);
- Up to 50.000 opening (*);
BT 4.0 radio version:
- Up to 2 years (*);
- Up to 20.000 opening (*);
3 levels battery charge detection.

Signalling:
- LEDs: 1 Green, 1 Red visible on 360° ring
- Buzzer

Software:
Versions available:
-"Offline" with management software SIRIO and V364;
- "ARGO" with APP for smartphone (SMART version only)
- OEM development platform available
- On-site software upgrading

Finishes (metal part):
- Inox
- Polished Inox
- Satin brass (not available for Heavy Duty version)
- Polished brass (not available for Heavy Duty version)

Colors (plastic parts):
- Glossy black
- Glossy white
- Special colors on request

Mechanical lockcase compatibility:
- Euro profile cylinder hole (EN1303, DIN18252)

Door thickness:
- Up to 120 mm (standard execution)
- Up to 140 mm (special execution)

Environmental characteristics:
- Operating temperature: -20°C ÷ +70°C
- Storage temperature: -25°C ÷ +75°C
- Protection system (IP grading): IP54 (IP66/IP67/IP69 for Heavy Duty version)

Electronic knob dimensions:
- External diameter: from 36 mm to 39 mm
- Length: 46 mm

Mechanic knob "Standard" dimensions:
- External diameter: 30 mm
- Length: 31 mm

Libra

Mechanic knob "Premium" dimensions:
- External diameter: from 36 mm to 39 mm
- Length: 46 mm

Stator dimensions (double knob version):
- Minimum 30-30 mm
- Steps 5 mm
- Maximum total length 140 mm

Stator dimensions (half cylinder version):
- Minimum 30-10 mm
- Steps 5 mm
- Maximum 90-10 mm

Certifications:
EN15684:2013-01 classifications
- IP54 internal version 16B4AF30
- IP66 Heavy Duty version 16B4AF32
SKG*** for HD (Heavy Duty) version

Libra Smart configurations:

- Electronic knob outside (freely rotating) and mechanical knob inside (Standard or Premium version)
- Electronic knob outside (freely rotating) and inside (freely rotating)
- Half cylinder with electronic knob outside (freely rotating)
- Version for panic lock (freely rotating with cam returning in vertical position)
- Version compatible with cylinder escutcheon
- Internal usage version (IP54)
- All-weather outdoor usage version Heavy Duty (IP66)
- Special versions:
  - oval scandinavian body
  - oval australian body
  - round ANSI body
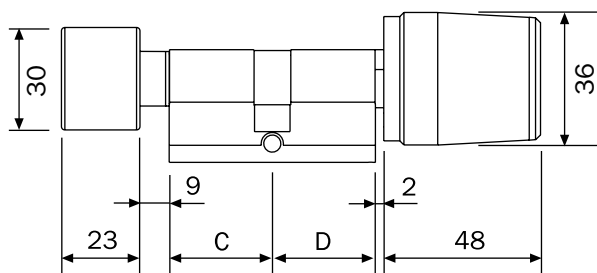
C= 30/35/40/45/50/55/60/65/70/75/80/85/90
D= 10/30/35/40/45/50/55/60/65/70/75/80/85/90

(*) Depending on usage, environment, options.

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Libra Premium

ELECTRONIC CYLINDER WITH RFID READER AND "PREMIUM" MECHANICAL KNOB, OFF-LINE SOFTWARE

Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz) on outside
"Premium" mechanical knob on internal side. Maximal body length 120 mm*.
European profile and DIN cam. 6 finishes available.
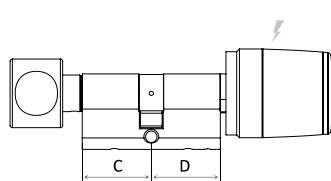Internal usage (IP54) and external usage (IP66 Heavy Duty) versions.
Removable external knob version (IP66 Heavy Duty)**.
Panic function version**.
BT 4.0 Radio version (Libra Smart).
Package: 1 cylinder, 1 battery, cylinder fixing screw M5 L=85 mm, 2 mm hex key, instruction sheet

Coding

8 2 K **X** 0 **X X** **X X** **X X** **X** 2 **X**

External usage version (IP66 Heavy Duty) **1**
Internal usage version (IP54) **2**
Removable external knob
(IP66 Heavy Duty)** **4**

DIMENSION C	DIMENSION D
30	30
35	35
40	40
45	45
50	50
55	55
60	60
65	65
70	70
75	75
80	80
85	85
90	90
L max 120 mm*/**	

FINISHES

P PANIC function ****/**

1 NO Radio
2 Radio BT 4.0 (Smart)

25 Inox - Black
K5 Polished Chrome - Black
S5 Satin Brass - Black ***
L5 Polished Brass - Black ***
K4 Polished Chrome - White
L4 Polished Brass - White ***

(*) bigger length on request
(**) delivery time on request
(***) not available for Heavy Duty version
(****) not compatible with "Removable external knob" version

Code

82K*0*******2*	LIBRA electronic cylinder - **Electronic/Mechanic Premium** - basic configuration
Extra	
Features	
	- Internal usage version (IP54)
	- External usage version (IP66 Heavy Duty)
	- Removable external knob (IP66 Heavy Duty)
Total Length	
	- from 60 to 80 mm
	- from 85 to 100 mm
	- from 105 to 120 mm
	- from 125 to 140 mm
	- from 145 to 160 mm
Finishes	
	- Inox / Black
	- Polished Chrome / Black
	- Satin Brass / Black
	- Polished Brass / Black
	- Polished Chrome / White
	- Polished Brass / White
Radio	
	- No Radio
	- Bt 4.0 Radio (**Smart**)
Special Functions	
	- Panic version

Libra Standard

ELECTRONIC CYLINDER WITH RFID READER AND "STANDARD" MECHANICAL KNOB, OFF-LINE SOFTWARE

Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz) on outside
"Standard" mechanical knob on internal side. Maximal body length 120 mm*.
European profile and DIN cam. 6 finishes available.
Internal usage (IP54) and external usage (IP66 Heavy Duty) versions.
Removable external knob version (IP66 Heavy Duty)**.
Panic function version**.
BT 4.0 Radio version (Libra Smart).
Package: 1 cylinder, 1 battery, cylinder fixing screw M5 L=85 mm, 2 mm hex key, instruction sheet

Coding

```
8 2 K  X  8  X X   X X   X X   X   2   X
```

External usage version (IP66 Heavy Duty) **1**
Internal usage version (IP54) **2**
Removable external knob **4**
(IP66 Heavy Duty)**

DIMENSION C	DIMENSION D
30	30
35	35
40	40
45	45
50	50
55	55
60	60
65	65
70	70
75	75
80	80
85	85
90	90
L max 120 mm*/**	

FINISHES

P PANIC function ****/**

1 NO Radio
2 Radio BT 4.0 (Smart)

25 Inox - Black
K5 Polished Chrome - Black
S5 Satin Brass - Black ***
L5 Polished Brass - Black ***
K4 Polished Chrome - White
L4 Polished Brass - White ***

(*) bigger length on request
(**) delivery time on request
(***) not available for Heavy Duty version
(****) not compatible with "Removable external knob" version

Code
82K*8*****2***   LIBRA electronic cylinder - **Electronic/Mechanic Standard** - basic configuration

Extra	
Features	
	- Internal usage version (IP54)
	- External usage version (IP66 Heavy Duty)
	- Removable external knob (IP66 Heavy Duty)
Total Length	
	- from 60 to 80 mm
	- from 85 to 100 mm
	- from 105 to 120 mm
	- from 125 to 140 mm
	- from 145 to 160 mm
Finishes	
	- Inox / Black
	- Polished Chrome / Black
	- Satin Brass / Black
	- Polished Brass / Black
	- Polished Chrome / White
	- Polished Brass / White
Radio	
	- No Radio
	- Bt 4.0 Radio **(Smart)**
Special Functions	
	- Panic version

ISEO

Libra Dummy-knob

ELECTRONIC CYLINDER WITH RFID READER AND KNOB-DUMMY ON INTERNAL SIDE, OFF-LINE SOFTWARE
Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz) on outside NO knob on internal side.
Maximal body length 120 mm *.
European profile and DIN cam. 6 finishes available.
Internal usage (IP54) and external usage (IP66 Heavy Duty) versions.
Removable external knob version (IP66 Heavy Duty)**.
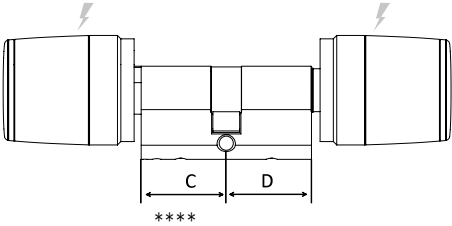Panic function version**.
BT 4.0 Radio version (Libra Smart).
Package: 1 cylinder, 1 battery, cylinder fixing screw M5 L= 85 mm, 2 mm hex key, instruction sheet.

Coding

8 2 K | X | C | X | X | | X | X | | X | X | X | 2 | X |

External usage version (IP66 Heavy Duty) **1**
Internal usage version (IP54) **2**
Removable external knob **4**
(IP66 Heavy Duty)**

DIMENSION D

30	30
35	35
40	40
45	45
50	50
55	55
60	60
65	65
70	70
75	75
80	80
85	85
90	90

L max 120 mm*/**

FINISHES

P PANIC function ****/**

1 NO Radio
2 Radio BT 4.0 (Smart))

25 Inox - Black
K5 Polished Chrome - Black
S5 Satin Brass - Black ***
L5 Polished Brass - Black ***
K4 Polished Chrome - White
L4 Polished Brass - White ***

C D

(*) bigger length on request
(**) delivery time on request
(***) not available for Heavy Duty version
(****) not compatible with "Removable external knob" version

Code

82K*C*******2*	LIBRA electronic cylinder - **Electronic/Mechanic Standard** - basic configuration
Extra	
Features	
	- Internal usage version (IP54)
	- External usage version (IP66 Heavy Duty)
	- Removable external knob (IP66 Heavy Duty)
Total Length	
	- from 60 to 80 mm
	- from 85 to 100 mm
	- from 105 to 120 mm
	- from 125 to 140 mm
	- from 145 to 160 mm
Finishes	
	- Inox / Black
	- Polished Chrome / Black
	- Satin Brass / Black
	- Polished Brass / Black
	- Polished Chrome / White
	- Polished Brass / White
Radio	
	- No Radio
	- Bt 4.0 Radio **(Smart)**
Special Functions	
	- Panic version

Libra Removable reader and Extension plug

ELECTRONIC CYLINDER WITH RFID READER, EXTENSION PLUG AND PREARRENGED FOR KNOB, OFF-LINE SOFTWARE
Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz) on outside.
Prearrenged for internal knob shaft D 8x75 mm.
Maximal body length 90 mm (on request up to 110 mm**).
European profile and DIN cam. 6 finishes available.
Removable external knob with extension plug of 10 mm (IP66 Heavy Duty).
BT 4.0 Radio version (Libra Smart).
Package: 1 cylinder, 1 battery, cylinder fixing screw M5 L= 85 mm, 2 mm hex key, instruction sheet.

Coding

8 2 K 3 6 D 0 | X | X | X | X | X | 2

DIMENSION C	DIMENSION D	FINISHES
30	**30**	
	35	
	40	
	45	
	50	
	55	
	60	
	L max 90 mm*/**	

1 NO Radio
2 Radio BT 4.0 (Smart))

75 mm   C (30 mm) D   10 mm

25 Inox - Black
K5 Polished Chrome - Black
S5 Satin Brass - Black ***
L5 Polished Brass - Black ***
K4 Polished Chrome - White
L4 Polished Brass - White ***

(*) bigger length on request
(**) delivery time on request.
(***) not available for Heavy Duty version

Code			
82K36D0****2*	LIBRA electronic cylinder - **Removable reader extension plug/prearrenged for knob. IP66 Heavy Duty -** basic configuration		
	Extra		
	Total Length		
		- from 60 to 80 mm	
		- from 85 to 90 mm	
		- over 90 mm	
	Finishes		
		- Inox / Black	
		- Polished Chrome / Black	
		- Satin Brass / Black	
		- Polished Brass / Black	
		- Polished Chrome / White	
		- Polished Brass / White	
	Radio		
		- No Radio	
		- Bt 4.0 Radio **(Smart)**	

Libra Double

ELECTRONIC CYLINDER WITH DOUBLE RFID READER, OFF-LINE SOFTWARE
Multistandard RFID Readers (ISO14443A/ISO14443B 13,56MHz) on external side and internal side.
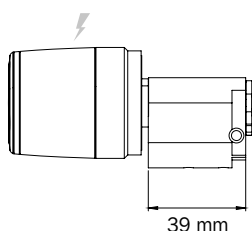Maximal body length 120 mm*. European profile and DIN cam.
6 finishes available. Internal usage (IP54) and external usage (IP66 Heavy Duty) versions.
BT 4.0 Radio version (Libra Smart).
Package: 1 cylinder, 2 battery, cylinder fixing screw M5 L= 85 mm, 2 mm hex key, instruction sheet.

Coding

8 2 K **X** E **X X** **X X** **X X** **X** 2

External usage version (IP66 Heavy Duty) **1**
Internal usage version (IP54) **2**

DIMENSION C	DIMENSION D
30	30
35	35
40	40
45	45
50	50
55	55
60	60
65	65
70	70
75	75
80	80
85	85
90	90
L max 120 mm*/**	

FINISHES

1 NO Radio
2 Radio BT 4.0 (Smart)

25 Inox - Black
K5 Polished Chrome - Black
S5 Satin Brass - Black ***
L5 Polished Brass - Black ***
K4 Polished Chrome - White
L4 Polished Brass - White ***

(*) bigger length on request
(**) delivery time on request
(***) not available for Heavy Duty version
(****) **C** = side with removable electronic knob

Code
82K*E*****2**

82K*E*******2	LIBRA electronic cylinder - **Electronic/Electronic** - basic configuration
	Extra
	Features
	- Internal usage version (IP54)
	- External usage version (IP66 Heavy Duty)
	Total Length
	- from 60 to 80 mm
	- from 85 to 100 mm
	- from 105 to 120 mm
	- from 125 to 140 mm
	- from 145 to 160 mm
	Finishes
	- Inox / Black
	- Polished Chrome / Black
	- Satin Brass / Black
	- Polished Brass / Black
	- Polished Chrome / White
	- Polished Brass / White
	Radio
	- No Radio
	- Bt 4.0 Radio **(Smart)**

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Libra Half

ELECTRONIC HALF CYLINDER WITH RFID READER, OFF-LINE SOFTWARE
Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz).
Maximal body length 100 mm. European profile and DIN cam.
6 finishes available. Internal usage (IP54) and external usage (IP66 Heavy Duty) versions.
Removable external knob version (IP66 Heavy Duty)**.
BT 4.0 Radio version (Libra Smart).
Package: 1 cylinder, 1 battery, cylinder fixing screw M5 L = 85 mm, 2 mm hex key, instruction sheet

Coding

8 2 K **X** 0 **X X** **1 0** **X X** **X** 2

External usage version (IP66 Heavy Duty) **1**
Internal usage version (IP54) **2**
Removable external knob **4**
(IP66 Heavy Duty)**

DIMENSION C
30
35
40
45
50
55
60
65
70
75
80
85
90
L max 100 mm

DIMENSION D
10

FINISHES

1 NO Radio
2 Radio BT 4.0 (Smart)

25 Inox - Black
K5 Polished Chrome - Black
S5 Satin Brass - Black ***
L5 Polished Brass - Black ***
K4 Polished Chrome - White
L4 Polished Brass - White ***

(**) delivery time on request
(***) not available for Heavy Duty version

Code
82K*0**10***2 — LIBRA electronic cylinder - **Electronic Half Cylinder** - basic configuration
Extra
Features
- Internal usage version (IP54)
- External usage version (IP66 Heavy Duty)
- Removable external knob (IP66 Heavy Duty)
Total Length
- from 40 to 60 mm
- from 65 to 80 mm
- from 85 to 100 mm
- from 105 to 120 mm
- from 125 to 140 mm
Finishes
- Inox / Black
- Polished Chrome / Black
- Satin Brass / Black
- Polished Brass / Black
- Polished Chrome / White
- Polished Brass / White
Radio
- No Radio
- Bt 4.0 Radio (**Smart**)

ISEO

Libra Oval Australian

OVAL AUSTRALIAN ELECTRONIC CYLINDER WITH RFID READER (*), OFF-LINE SOFTWARE
Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz).
Oval Australian body L 39 mm.
6 finishes available. Internal usage (IP54) and external usage (IP66 Heavy Duty) versions.
BT 4.0 Radio version (Libra Smart).
Package: 1 cylinder, 1 battery, 2 mm hex key, instruction sheet.

Coding

8 S K **X** 9 0 0 **3 9** **X X** **X** 2

External usage version (IP66 Heavy Duty) **1**
Internal usage version (IP54) **2**

DIMENSION **39**

FINISHES

1 NO Radio
2 Radio BT 4.0 (Smart)

25 Inox - Black
K5 Polished Chrome - Black
S5 Satin Brass - Black ***
L5 Polished Brass - Black ***
K4 Polished Chrome - White
L4 Polished Brass - White ***

39 mm

(*) delivery time on request
(***) not available for Heavy Duty version

Code			
	LIBRA electronic cylinder - **Oval Australian** - basic configuration		
8SK*90039***2	Extra		
	Features		
	- Internal usage version (IP54)		
	- External usage version (IP66 Heavy Duty)		
	Finishes		
	- Inox / Black		
	- Polished Chrome / Black		
	- Satin Brass / Black		
	- Polished Brass / Black		
	- Polished Chrome / White		
	- Polished Brass / White		
	Radio		
	- No Radio		
	- Bt 4.0 Radio **(Smart)**		

Libra Oval Scandinavian

OVAL SCANDINAVIAN ELECTRONIC CYLINDER WITH RFID READER (*), OFF-LINE SOFTWARE
Multistandard RFID Reader (ISO14443A/ISO14443B 13,56MHz).
Oval Scandinavian body L = 32 mm.
6 finishes available. Internal usage (IP54) and external usage (IP66 Heavy Duty) versions.
External door side versions only.
BT 4.0 Radio version (Libra Smart).
Package: 1 cylinder, 1 battery, cylinder fixing screws for internal door side versions, 2 mm hex key, instruction sheet.

EXTERNAL DOOR SIDE

Coding

8 S K **X** 2 0 0 **3 2** **X X** **X** 2

External usage version (IP66 Heavy Duty) **1**
Internal usage version (IP54) **2**

DIMENSION **32**   FINISHES

1 NO Radio
2 Radio BT 4.0 (Smart)
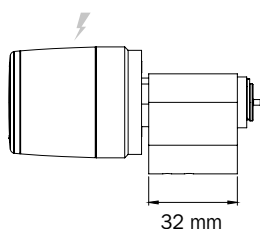
25 Inox - Black
K5 Polished Chrome - Black
S5 Satin Brass - Black ***
L5 Polished Brass - Black ***
K4 Polished Chrome - White
L4 Polished Brass - White ***

32 mm

(*) delivery time on request
(***) not available for Heavy Duty version

Code	LIBRA electronic cylinder - **Oval Scandinavian** - basic configuration
8SK*20032***2	Extra
	Features
	- Internal usage version (IP54)
	- External usage version (IP66 Heavy Duty)
	Finishes
	- Inox / Black
	- Polished Chrome / Black
	- Satin Brass / Black
	- Polished Brass / Black
	- Polished Chrome / White
	- Polished Brass / White
	Radio
	- No Radio
	- Bt 4.0 Radio **(Smart)**

ISEO

	Package	Code

Libra
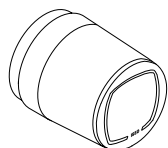
"PREMIUM" KNOB COVER
Suitable both for RFID reader knob and "Premium" mechanical knob.

	Package	Code
Inox - Black	2	**0444025**
Polished Chrome - Black	2	**04440K5**
Satin brass - Black	2	**04440S5**
Polished brass - Black	2	**04440L5**
Polished Chrome - White	2	**04440K4**
Polished brass - White	2	**04440L4**
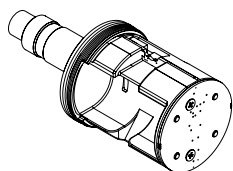
ELECTRONIC KNOB
without cover and battery

	Package	Code
electronic knob external side for internal usage (IP54) - Software Offline	1	**003075**
electronic knob external side for internal usage (IP54) - BT 4.0 radio - Software Offline	1	**003312**
electronic knob external side (IP66 Heavy Duty) - Software Offline	1	**003308**
electronic knob external side (IP66 Heavy Duty) - BT 4.0 radio - Software Offline	1	**003313**
electronic knob internal side for double electronic knob - Software Offline	1	**003077**
electronic knob internal side for double electronic knob - BT 4.0 radio - Software Offline	1	**003314**

ADAPTER FOR MECHANICAL PREMIUM KNOB
It allows the usage of the Premium covers as mechanical inside knobs.
Package: 1 adaptor, 1 fixing screw.

	Package	Code
	10	**044240**
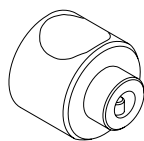
"STANDARD" MECHANICAL KNOB
Internal mechanical knob.
Package: 1 knob, 1 fixing screw.

	Package	Code
Inox	10	**044232**
Polished Chrome	10	**04423K**
Satin Brass	10	**04423S**
Polished Brass	10	**04423L**
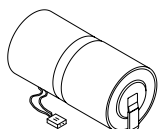
BATTERY
High current lythium battery with connecting cable.
Size 2/3 AA, 3.6 Vcc.

	Package	Code
	10	**003091**
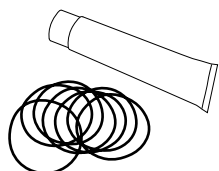
GASKET AND GREASE COVER REPLACEMENT KIT
Recommended to replace the cover gasket at each battery replacement
(mandatory for HD version to guarantee IP66 protection degree)
Package: 20 gaskets, 1 grase tube
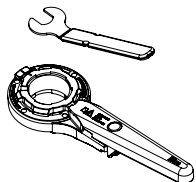
	Package	Code
	1	**003316**

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	Package	Code

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ASSEMBLY/DISASSEMBLY TOOLING KIT FOR ELECTRONIC KNOB COVER
Necessary for battery replacement. New design with improved performances
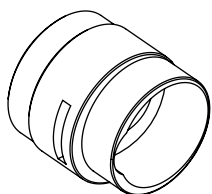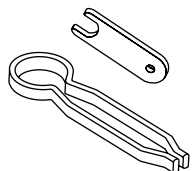and auto assembly force detection. NOT suitable for backset <45 mm.
Package: 1 wrench, 1 plier, instruction sheet
PLEASE NOTE: the cylinders are delivered WITHOUT these toolings.
Please remember to order them separately.

	Package	Code
	1	**003302**
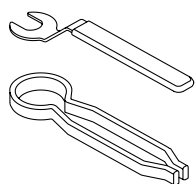
ASSEMBLY/DISASSEMBLY TOOLING KIT FOR ELECTRONIC KNOB COVER
Necessary for battery replacement. Also suitable for backset <45 mm.
Package: 1 wrench, 1 plier, instruction sheet
PLEASE NOTE: the cylinders are delivered WITHOUT these toolings.
Please remember to order them separately.

	Package	Code
	1	**003092**

ANTI-INTRUSION PROTECTION KIT
For Libra cylinder, for armored doors.

	Package	Code
PVD polished brass	1	**04425L**
Satin inox	1	**044252**
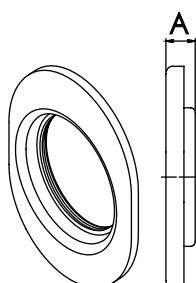
ANTI-INTRUSION ESCUTCHEON KIT
For Libra cylinder, for armored doors.

	Package	Code
A= 13 mm, PVD polished brass	1	**04426L**
A= 13 mm, satin inox	1	**044262**
A= 17 mm, PVD polished brass	1	**04427L**
A= 17 mm, satin inox	1	**044272**
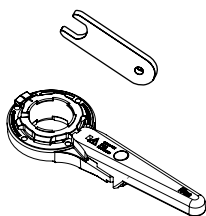
ASSEMBLY/DISASSEMBLY TOOLING KIT FOR ELECTRONIC KNOB COVER
installed with anti-intrusion PROTECTION kit.

For code 04425L - 044252.
Necessary for battery replacement.
New design with improved performances and auto assembly force detection.
Not suitable for backset <45 mm.
Package: 1 wrench, 1 plier, instruction sheet

PLEASE NOTE: the cylinders are delivered WITHOUT these toolings.
Please remember to order them separately.

	Package	Code
	1	**003317**

ASSEMBLY/DISASSEMBLY TOOLING KIT FOR ELECTRONIC KNOB COVER

For code 04425L - 044252.
Necessary for battery replacement
Also suitable for backset <45 mm.
Package: 1 wrench, 1 plier, instruction sheet

PLEASE NOTE: the cylinders are delivered WITHOUT these toolings.
Please remember to order them separately.

	Package	Code
	1	**003301**

ISEO
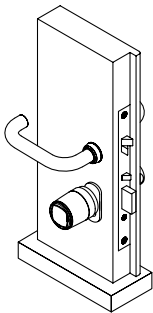
Libra

DEMO KIT ON WOODEN STAND, OFF LINE SOFTWARE
Electronic cylinder Libra Standard installed on
mechanical mortise lockcase.
Handle and box for easy transportation
Package: 1 demo display.
Note: to be used togheter with RFID V364 demo case code 000926

	Package	Code
Polished Chrome - Black	1	**FXK0021**
Polished Brass - Black	1	**FXK0022**

ĪSEO Zero1

F9000/F9

F9000 mechatronic cylinder has the same installation and easy maintenance features as a mechanical one because it doesn't require any wiring or batteries in the cylinder.

It is compatible with all CSF system's mechanical cylinders and allows to create mixed plants with different security levels according to the different gates to be controlled. F9000 combines the high security of mechanics with the flexibility of electronics. It is the ideal solution for the control of gates in any private and public building and for the management of common areas and entrances (from the single room to the building).

Key points

The key is non-duplicable, unique and has customized access rights.

Programming is easy. Even if you lose the key you never lose security (it can be disable immediately).

Energy is on the key and it doesn't require any wiring.

Electronics simplifies and guarantees future extensions. It allows access management even setting different time shifts.

It memorizes each authorized access and even unauthorized opening attempts.

Each key has customized access right which can be modified at any time according to the different building management needs.

Main features

- Compatible with Iseo CSF high security mechanical cylinders.
- The installation requires only a fixing screw just like a mechanical cylinder.
- Modular LE60 system for maximum installation flexibility.
- No batteries in the cylinder allowing utmost reliability in any installation condition.
- Data and energy transfer without electric contacts.
- Maximum resistance to atmospheric agents for outdoor installations (IP66/IP67/IP68/IP69).
- Up to 100.000 cylinders and 50.000 keys in a single system.
- Time profiles management.
- Events log both on keys and cylinders.
- Easy and effective programming with V364 software.

F9000 V2/F9

Technical features

F9000 MECHATRONIC CYLINDER V2

Vertical paracentric mechanic/electronic profile.

6 mechanical pins.

Data and energy transmission with no electric contact.

Up to 23 time shifts setting in the cylinder.

Last 1,000 accesses log (standard).

Opening time: less than 80 milliseconds.

Authorizations can be modified.

EN1303:2015 "16000C6D" classification.

EN15684:2012 "16B4FF32" classification.

VDS Klasse BZ+ version available.

Cylinder version in compliance to ATEX directive available.

Operating temperature: -20°C/+60°C.

Humidity: max 93% without condensation.

IP66, IP67, IP68 and IP69 protection grades on all the range
(without any extra protection accessories).

F9 MECHANICAL CYLINDER

Vertical mechanical multiprofile.

6 mechanical pins.

Anti drill pin in the housing.

EN1303:2015 classification.

ĪSEO Zero1

F9000 V2 MODULAR LE60

F9000 EUROPEAN DOUBLE PROFILE NICKEL-PLATED CYLINDER. MODULAR VERSION.

With no keys. Mechatronic version (**side D**),
conventional multi-profile non-duplicable key.
MK coding. Anti-break bar. 30° DIN cam. Fixing screw.
Compatible with V2 "Off-line" software.

Coding

8 M S A [X] [X X] [X X] 9 M [X X]

	DIMENSION C	DIMENSION D	
Standard **0**			
Double Function	**30**	**30**	
Free cam	**35**	**35**	
	40	**40**	
	45	**45**	
	50	**50**	
	55	**55**	**EX** ATEX version *
	60	**60**	**VD** VDS version *
	65	**65**	
	70	**70**	
	75	**75**	
	80	**80**	
	85	**85**	
	90	**90**	(*) delivery time on request

L max 180 mm

Code	
	CSF F9000 European double profile mechatronic cylinder ME - basic configuration
8MSA*****9M	Extra
	Each 5mm extra lenght
	Version
	- standard
	- double function
	- idle cam
	Version
	- standard
	- ATEX
	- VDS

ISEO

F9000 V2 MODULAR LE60

**F9000 EUROPEAN DOUBLE PROFILE NICKEL-PLATED CYLINDER.
MODULAR VERSION.**

With no keys. Mechatronic version on both sides,
conventional multi-profile non-duplicable key.
MK coding. Anti-break bar. 30° DIN cam. Fixing screw.
Compatible with V2 "Off-line" software.

Coding

8 M S E **X** **X X** **X X** 9 M **X X**

Standard **0**
Double Function **9**
Freew cam **L**

DIMENSION C	DIMENSION D
30	30
35	35
40	40
45	45
50	50
55	55
60	60
65	65
70	70
75	75
80	80
85	85
90	90

L max 180 mm

EX ATEX version *
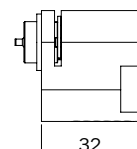**VD** VDS version *

(*) delivery time on request

Code	
	CSF F9000 European double profile mechatronic cylinder EE - basic configuration
8MSE*****9M	Extra
	Each 5mm extra lenght
	Version
	- standard
	- double function
	- idle cam
	Version
	- standard
	- ATEX
	- VDS

F9000 V2 MODULAR LE60

**F9000 EUROPEAN DOUBLE PROFILE NICKEL-PLATED CYLINDER. ROUND KNOB.
MODULAR VERSION.**

With no keys. Mechatronic version **(side D)**,

conventional multi-profile non-duplicable key.

MK coding. Anti-break bar. 30° DIN cam. Fixing screw.

Compatible with V2 "Off-line" software.

Coding

8 M S A 8 **X X** **X X** 9 M **X X**

DIMENSION C	DIMENSION D
30	30
35	35
40	40
45	45
50	50
55	55
60	60
65	65
70	70
75	75
80	80
85	85
90	90

EX ATEX version *
VD VDS version *

(*) delivery time on request

L max 180 mm

Code	
8MSA8****9M**	CSF F9000 European profile mechatronic cylinder with knob, ME - basic configuration
	Extra
	Each 5cm extra lenght
	Version
	- standard
	- ATEX
	- VDS

ISEO

F9000 V2 MODULAR LE60

**F9000 EUROPEAN SINGLE PROFILE NICKEL-PLATED CYLINDER.
MODULAR VERSION.**

With no keys. Mechatronic version,
conventional multi-profile, non-duplicable key,
8-position DIN cam, fixing screw.
Compatible with V2 "Off-line" software.

Coding

8 M S A 0 | X X | 1 0 | 9 M | X X

DIMENSION C	DIMENSION D	
30	10	
35		
40		**EX** ATEX version *
45		**VD** VDS version *
50		
55		
60		
65		
70		(*) delivery time on request
75		
80		
85		
90		

L max 100 mm

Code	
	CSF F9000 European single profile MODULAR mechatronic cylinder ME - basic configuration
8MSA0**109M	Extra
	Each 5cm extra lenght
	Version
	- standard
	- ATEX
	- VDS

F9000 V2
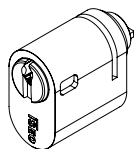
EXTERNAL DOOR SIDE
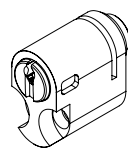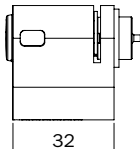
INTERNAL DOOR SIDE

F9000 OVAL SCANDINAVIAN NICKEL-PLATED CYLINDER (*).
With no keys. Mechatronic version,
conventional multi-profile, non-duplicable key,
fixing screws for external door side version.
External and internal door side versions.
Compatible with V2 "Off-line" software.

Coding

8 S S A **X** 0 A **3** **2** 9 M **X** **X**

DIMENSION
32

External door side **2**
Internal door side **5**

EX ATEX version *

(*) delivery time on request

Code	CSF F9000 OVAL SCANDINAVIAN profile mechatronic cylinder - basic configuration
8SSA*00329M	Extra
	Features
	- External door side
	- Internal door side
	Version
	- standard
	- ATEX

ISEO

F9000 V2
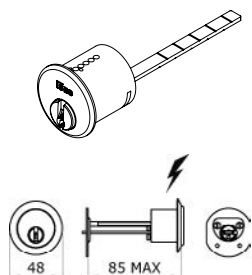
F9000 EXTERNAL RIM NICKEL-PLATED CYLINDER Ø 35, U.S. TYPE.

With no keys. Mechatronic version. Conventional multi-profile, non-duplicable key.

To be used with rim locks without external cylinder.

Screws for inside fixing.

For doors max thickness mm 85   1   **87SA040859M**
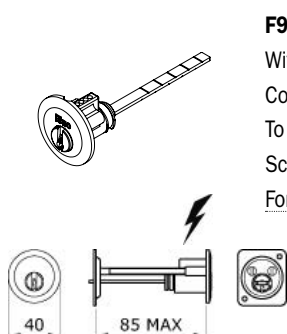
F9000 EXTERNAL RIM NICKEL-PLATED CYLINDER Ø 40.

With no keys. Mechatronic version.

Conventional multi-profile, non-duplicable key.

To be used with rim locks without external cylinder.

Screws for inside fixing.

For doors max thickness mm 85   1   **87SA050859M**
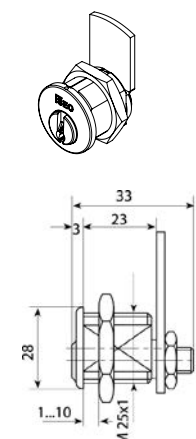
F9000 ROUND THREADED NICKEL-PLATED cylinder.

With no keys. Mechatronic version.

Conventional multi-profile, non-duplicable key.

Screw nut for inside fixing.   1   **87SA23F259M**
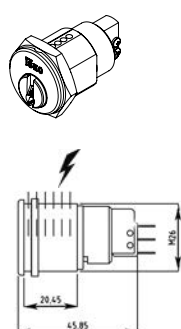
F9000 THREADED NICKEL-PLATED CYLINDER M26,

with signalling **MICROSWITCH**.

With no keys. Mechatronic version.

Conventional multi-profile, non-duplicable key.

Welding back ends/2 mm Faston and normally

open/closed switch deviators.

Screw nut for inside fixing.   1   **87SA26M259M**
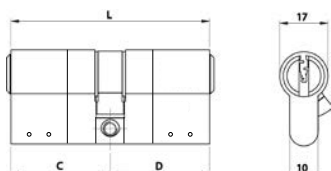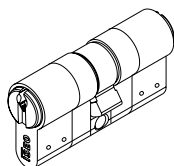
Complete range in the catalogue Project Line Iseo

ĪSEO Zero1

F9 MODULAR LE60

F9 EUROPEAN DOUBLE PROFILE NICKEL-PLATED CYLINDER.
MODULAR VERSION.

With no keys. Mechanical version. 6-pin coding, conventional system.

Protected key and registered profile.

Anti-drill device in the cylinder body. STAINLESS STEEL top pins.

30° DIN cam. Fixing screw

Coding

8 M F A X   X X   X X 9 M

|	DIMENSION C	DIMENSION D
Standard **0**	30	30
Double Function **9**	35	35
Idle cam **L**	40	40
	45	45
	50	50
	55	55
		60
		65
		70
		75
		80

L max 110 mm*

*Versions on request:
- Total length > 110 mm
- Special lenghts con C=28 mm e /o D =28 (without anti-break bar and without double function)
- Length C=28 mm and D=33 (without anti-break bar and without double function)

Complete range in the catalogue Project Line Iseo

F9 MODULAR LE60

F9 EUROPEAN DOUBLE PROFILE NICKEL-PLATED CYLINDER. ROUND KNOB. MODULAR VERSION.

With no keys. Mechanical version. 6-pin coding, conventional system.

Protected key and registered profile.

Anti-drill device in the cylinder body. STAINLESS STEEL top pins.

Anti-break bar. 30° DIN cam. Fixing screw

Coding

8 M F A 8 | X X | X X | 9 M

DIMENSION C	DIMENSION D
30	30
35	35
40	40
45	45
50	50
55	55
60	60
65	65
70	70
75	75
80	80
L max 110 mm*	

*Versions on request:
- Total length > 110 mm
- Special lenghts con C=28 mm e /o D =28 (without anti-break bar and without double function)
- Length C=28 mm and D=33 (without anti-break bar and without double function)

F9 MODULAR LE60
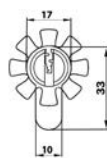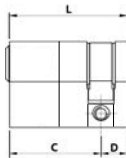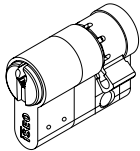
F9 EUROPEAN SINGLE PROFILE NICKEL-PLATED CYLINDER.
MODULAR VERSION.

With no keys. Mechanical version. 6-pin coding, conventional system.

Protected key and registered profile.

Anti-drill device in the cylinder body. STAINLESS STEEL top pins.

8 positions cam. Fixing screw

Coding

8 M F A 0	X	X	1	0	9 M

DIMENSION C	DIMENSION D
30	10
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	

L max 100 mm *

* Version on request:
- Total lenght > 90 mm

F9
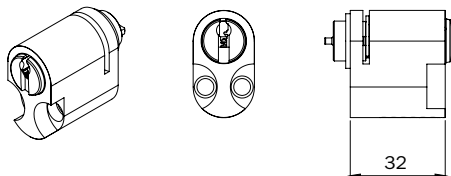
INTERNAL DOOR SIDE

F9 OVAL SCANDINAVIAN NICKEL-PLATED CYLINDER.
With no keys. Mechanical version. 6-pin coding, conventional system.
Protected key and registered profile.
Anti-drill device in the cylinder body. STAINLESS STEEL top pins.
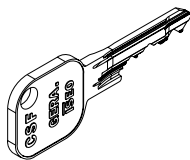Internal door side version, fixing screws.

Coding

8 S F A 5 | **0** | **A** | **3** | **2** | 9 M

DIMENSION
32

F9

F9 MECHANICAL KEY.
Nickel silver key.
Coded key.

Coding

8 0 F A | X | X | X | X | 0 | X |

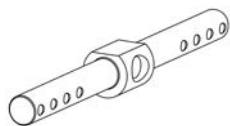| Coded key KD/KA **SKI0** | **0** Standard |
| Coded key CK/MK **MKI0** | **1** Second delivery |
| Coded key GMK **GMKI** | |

CSF ELECTRONIC KEY
See pages 24, 25, 26, 27 and 28

ISEO

F9000 V2 MODULAR LE60

5 pcs. Kit connecting bar for double cylinder		
3030 / 3035 / 3535	1	**0033230**
3040 / 3045 / 3540 / 3545	1	**0033240**
4040 / 4045 / 4545	1	**0033250**
3050 / 3055 / 3550 / 3555	1	**0033260**
3060 / 3065 / 3560 / 3565	1	**0033270**
4050 / 4055 / 4550 / 4555	1	**0033280**
5050 / 5055 / 5555	1	**0033290**
3070 / 3075 / 3570 / 3575	1	**0033300**
4060 / 4065 / 4560 / 4565	1	**0033310**
3080 / 3085 / 3580 / 3585	1	**0033320**
4070 / 4075 / 4570 / 4575	1	**0033330**
5060 / 5065 / 5560 / 5565	1	**0033340**
6060 / 6065 / 6565	1	**0033350**
3090 / 3095 / 3590 / 3595	1	**0033360**
4080 / 4085 / 4580 / 4585	1	**0033370**
5070 / 5075 / 5570 / 5575	1	**0033380**
4090 / 4095 / 4590 / 4595	1	**0033390**
5080 / 5085 / 5580 / 5585	1	**0033400**
6070 / 6075 / 6570 / 6575	1	**0033410**

5 pcs. Kit connecting bar for single cylinder		
3010 / 3510	1	**0033450**
4010 / 4510	1	**0033460**
5010 / 5510	1	**0033470**
6010 / 6510	1	**0033480**
7010 / 7510	1	**0033490**
8010 / 8510	1	**0033500**
9010 / 9510	1	**0033510**

Jolly connecting bar		
Jolly, stainless steel connecting bar 60/90 for double cylinder (2 pcs. kit)	1	**0033520**

Jolly connecting bar		
Jolly, stainless steel connecting bar 90/10 for single cylinder (2 pcs. kit)	1	**0033530**

| 100 pcs steel fixing pins | 1 | **0033740** |

Complete range and prices in the Project Line catalogue and LE60 price list

ISEO Zero1

F9000/F9 V2 MODULAR LE60

	Package	Code
Extension for cylinder body		
5pcs. Kit body extension 5 mm	1	**0033570**
5pcs. Kit body extension 10 mm	1	**0033580**
5pcs. Kit body extension 15 mm	1	**0033590**
5pcs. Kit body extension 20 mm	1	**0033600**
5pcs. Kit body extension 40 mm	1	**0033610**
Plug extension		
5 pcs. Kit plug extension double cylinder side 35 mm	1	**0033620**
Plug extension		
5 pcs. Kit plug extension emergency function cylinder side 35 mm	1	**0033630**
Plug extension		
5 pcs. Kit plug extension for knob cylinder key side 35 mm	1	**0033640**
Plug extension		
5 pcs. Kit plug extension for knob cylinder knob side 35 mm	1	**0033650**
Plug extension		
5 pcs. Kit plug extension for single cylinder 35 mm	1	**0033660**
Plug extension		
5 pcs. Kit plug extension 10 mm	1	**0033670**
5 pcs. Kit plug extension 15 mm	1	**0033680**
5 pcs. Kit plug extension 20 mm	1	**0033690**
5 pcs. Kit plug extension 40 mm	1	**0033700**
Key extension		
10 pcs. Kit key extension 8x5 mm	1	**003211**
10 pcs. Kit key extension 8x10 mm	1	**003212**
10 pcs. Kit key extension 8x15 mm	1	**003213**
10 pcs. Kit key extension 8x20 mm	1	**003214**
10 pcs. Kit key extension 8x25 mm	1	**003215**
10 pcs. Kit key extension 8x30 mm	1	**003216**
10 pcs. Kit key extension 8x35 mm	1	**003217**
10 pcs. Kit key extension 8x40 mm	1	**003218**
250 pcs circlips	1	**0033720**
50 pcs. Kit extension pin for single cylinder F and R SERIES dim. >=40 mm		**0033920**
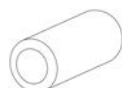
Complete range and prices in the Project Line catalogue and LE60 price list

Assembly tools
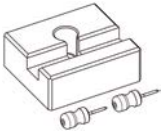
	Package	Code
Mounting base for components assemb	1	**0033092**
Plier for fixing pins	1	**0033094**
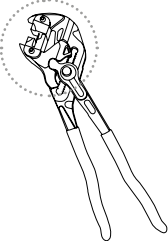
	Package	Code	Unit price €

F9000/F9 V2 MODULAR LE60

	Package	Code	Unit price €
Assembly case modular cylinder	1	0033201	

ASSEMBLY CASE CONTENT

1 Kit. 5 pcs. Kit connecting bar for double cylinder

	Package	Code	Unit price €
4040 / 4045 / 4545	1	0033250	
3050 / 3055 / 3550 / 3555	1	0033260	
3060 / 3065 / 3560 / 3565	1	0033270	
4050 / 4055 / 4550 / 4555	1	0033280	
5050 / 5055 / 5555	1	0033290	
3070 / 3075 / 3570 / 3575	1	0033300	
4060 / 4065 / 4560 / 4565	1	0033310	
3080 / 3085 / 3580 / 3585	1	0033320	
Jolly connecting bar, stainless steel connecting bar 60/90 for double cylinder (2 pcs. kit)	1	0033520	
Jolly connecting bar, stainless steel connecting bar 90/10 for single cylinder (2 pcs. kit)	1	0033530	

Extension for cylinder body

	Package	Code	Unit price €
1 Kit. 5pcs. Kit body extension 5 mm	1	0033570	
1 Kit. 5pcs. Kit body extension 10 mm	1	0033580	
1 Kit. 5pcs. Kit body extension 15 mm	1	0033590	
1 Kit. 5pcs. Kit body extension 20 mm	1	0033600	
1 Kit. 5pcs. Kit body extension 40 mm	1	0033610	

Plug extension

	Package	Code	Unit price €
1 Kit. 5 pcs. Kit plug extension double cylinder side 35 mm	1	0033620	
1 Kit. 5 pcs. Kit plug extension emergency function cylinder side 35 mm	1	0033630	
1 Kit. 5 pcs. Kit plug extension for knob cylinder key side 35 mm	1	0033640	
1 Kit. 5 pcs. Kit plug extension for knob cylinder knob side 35 mm	1	0033650	
1 Kit. 5 pcs. Kit plug extension for single cylinder 35 mm	1	0033660	
1 Kit. 5 pcs. Kit plug extension 10 mm	1	0033670	
1 Kit. 5 pcs. Kit plug extension 15 mm	1	0033680	
1 Kit. 5 pcs. Kit plug extension 20 mm	1	0033690	
1 Kit. 5 pcs. Kit plug extension 40 mm	1	0033700	

Key extension

	Package	Code	Unit price €
1 Kit. 10 pcs. Kit key extension 8x5 mm	1	003211	
1 Kit. 10 pcs. Kit key extension 8x10 mm	1	003212	
1 Kit. 10 pcs. Kit key extension 8x15 mm	1	003213	
1 Kit. 10 pcs. Kit key extension 8x20 mm	1	003214	
1 Kit. 10 pcs. Kit key extension 8x25 mm	1	003215	
1 Kit. 10 pcs. Kit key extension 8x30 mm	1	003216	
1 Kit. 10 pcs. Kit key extension 8x35 mm	1	003217	
1 Kit. 10 pcs. Kit key extension 8x40 mm	1	003218	
1 Kit. 250 pcs circlips	1	0033720	
1 Kit. 100 pcs steel fixing pins	1	0033740	
1 Kit. 100 pcs connecting ring	1	0033750	
1 Kit. 50 pcs. Kit extension pin for single cylinder F and R SERIES dim. >=40 mm	1	0033920	

V364 compatible products

Desktop RFID reader/writer

PC

TABLET

ATLAS MASTER

ATLAS SLAVE

STYLOS LED VALIDATOR

THESIS 2.0

STYLOS LED VALIDATOR

THESIS 2.0

STYLOS LED VALIDATOR

STYLOS LED VALIDATOR

ACTUATOR

LOCKS WITH NATIVE LOCKBUS INTERFACE

CARD

ARIES

LIBRA

STYLOS LED STAND-ALONE

ELECTRICAL LOCKS/DEVICES
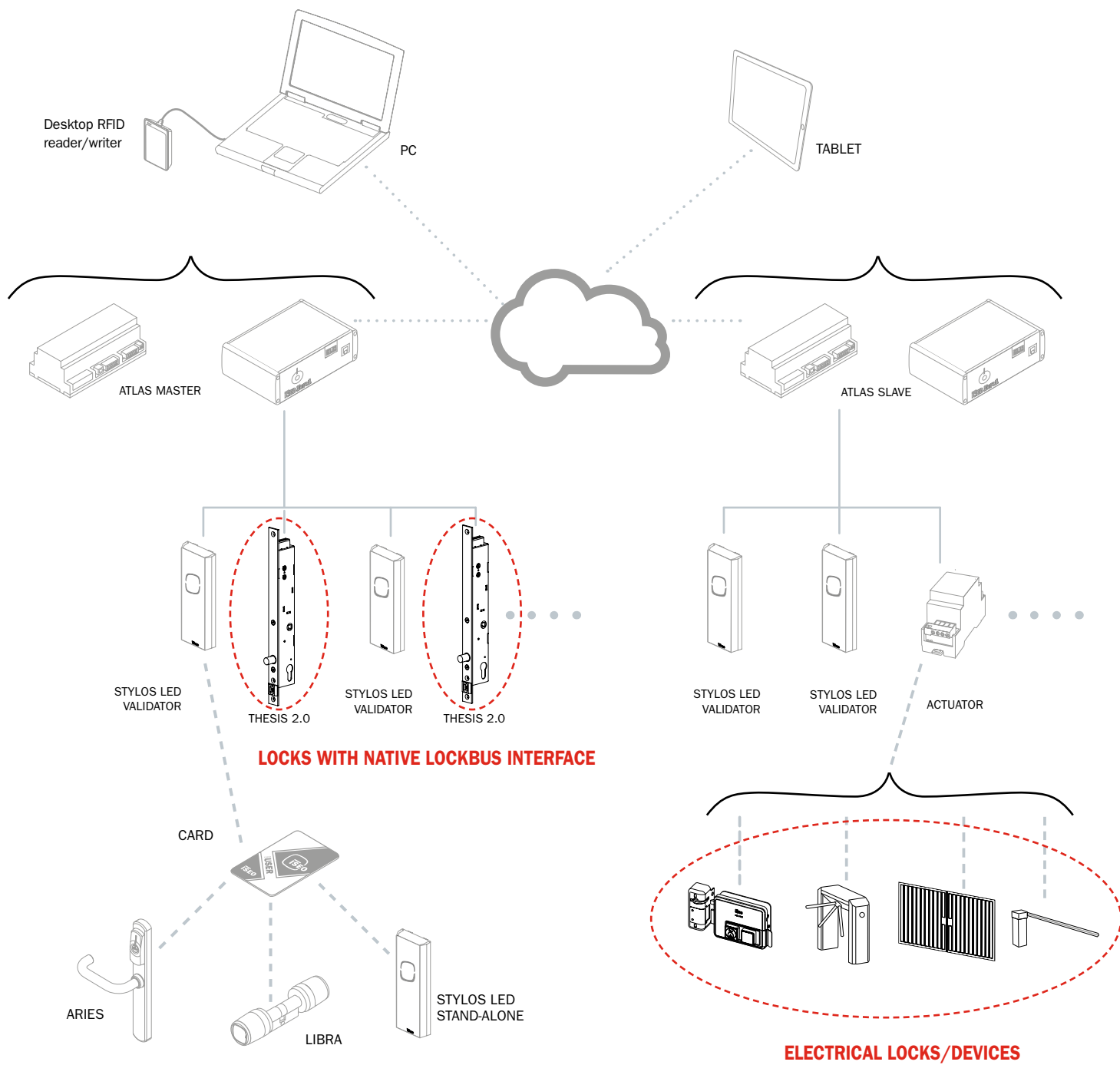
V364 compatible products

LOCKS WITH NATIVE LOCKBUS INTERFACE

Thesis 2.0

Thesis 2.0 range 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 dialogs with Thesis 2.0 Standard in a direct way through Lockbus interface, i.e. without intermediate electronic devices.

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.

Complete range in the catalogue ISEO in the chapter LOCKS FOR METAL FRAMES

V364 compatible products

LOCKS WITH NATIVE LOCKBUS INTERFACE

Top Exit DGT

The motorized movement of the deadbolts (and latchbolt) during both opening and closing operations is controlled by specific sensors and a powerful microprocessor, which guarantee constant security.

The lock software allows to manage the "hold open" function: the deadbolts are constantly unlocked allowing free entrance to anybody.

Top Exit DGT is available in three different versions that suit any application exigency:
- TYPE A with motorized deadbolts and adjustable roller latchbolt
- TYPE B with motorized deadbolts and mechanical latchbolt (manual operation)
- TYPE C with motorized deadbolts and latchbolt

All the versions can operate mechanically too, because the european cylinder and/or panic exit device operations don't depend on power supply and impediments deriving from the contemporary operation of the motor.

The control unit allows the opening from exterior through accessories such as proximity readers, radio remote controls and electronic keys and through the connection to centralized access control systems.

Complete range in the catalogue ISEO in the chapter LOCKS FOR METAL FRAMES
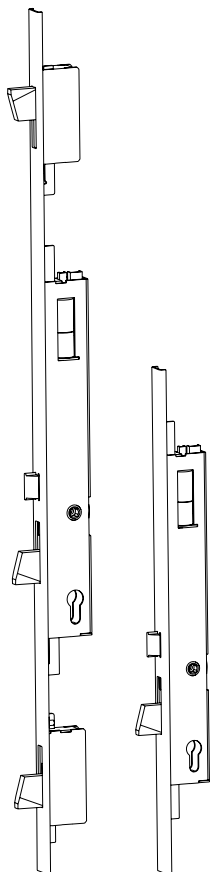
x1R

x1R Smart is a motorized electronic lock designed for the installation in harmoured or high security doors.

Opening occurs with the aid of a motor with handle for the versions "Single Action" quick release and closing occurs through motorised action controlled by a next-generation microprocessor. In case of lack of power supply the operation of the deadbolt is guaranteed by the traditional movement of keys, equipped with a security system that is able to disconnect motorisation during operation of the mechanical cylinder.

Locks of the x1R Smart series are interchangeable with the most common mechanical locks as they use the same mechanical accessories. The "plug and play" electrical connections of the electronic accessories make installation extremely easy.

It can be interfaced with the Iseo access control platform or a third-party system through opto-isolated Input/Output connections which can be used to control the operation modes and states for opening and closing. By using the lockbus connection with proprietary protocol it is possible to have a direct and secure connection with the Iseo range devices.

All models are available with different projections and bolt centre-to-centre distances for a vast interchangeability with mechanical versions. Escutcheons are available in various finishes.

Thanks to the solidity of the mechanical structure it is classified at the maximum grade (7) for anti-intrusion protection (EN14846).
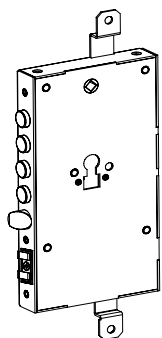
Complete range in the catalogue ISEO in the chapter LOCKS FOR ARMOURED DOORS

V364 compatible products

ELECTRICAL LOCKS/DEVICES

Multiblindo eMotion

Perfect combination of comfort and security in any situation. The new electromechanical automatic lock represents the electronic evolution of Multiblindo Easy. Ideal for the installation on steel or aluminium metal frames.

It operates electronically in a simple and fast way through a normal keyboard, allowing the end user to set three different locking functions: Total, Light, Free.

It can be operated also by the key or the most advanced electronic access control systems: fingerscan, keyboard, transponder, PIN code.

With sound feedback. A special system monitors the door status and sends opening and closing sound signals, which can be set or completely excluded by the end user.

Customized courtesy time. The user can set the time span between the opening pulse and the automatic relocking of the door (5, 10, 30 or 60 sec.), according to the user's needs.

Multiblindo eMotion has three options allowing an instant opening as well as to choose the automatic relocking mode according to the user's security requirements. It is operated through an electronic control for all the settings.

Total. When pressing the pushbutton the door opens and a sound signal is produced. When it closes, Multiblindo eMotion will automatically trigger the latchbolt and deadbolts: the sound feedback will indicate the total locking. Total security: this setting ensures your door the highest security.

Light. When pressing the pushbutton the door opens and a sound signal is produced. When it closes, Multiblindo eMotion will automatically trigger the latchbolt only: a different and more flexible security level for a partial and fast locking.

Free. With this setting, Multiblindo eMotion keeps the latchbolt and deadbolts completely unlocked: the door will stay in a free-opening status, in the classic hold-open situation. Total freedom ensuring a free access both from inside and outside until a new setting is given.

Complete range in the catalogue ISEO in the chapter LOCKS FOR METAL FRAMES
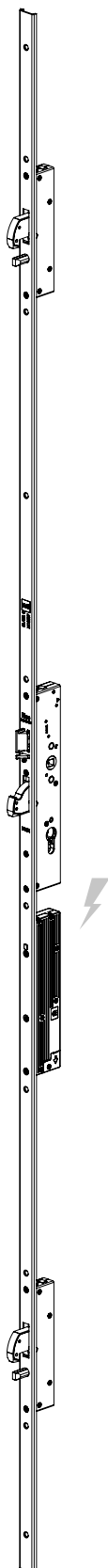
V364 compatible products

ELECTRICAL LOCKS/DEVICES

Trim-Tronic
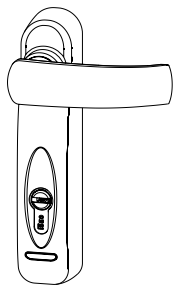
The Trim-Tronic unit interfaces with multipoint locking panic bars, providing a long awaited solution to the problem where a door is opened by a panic bar from the inside but cannot be accessed from the outside. The Trim-Tronic allows you to use access control on panic exit, overriding the bar from the outside whilst still allowing safe emergency exit from the building.
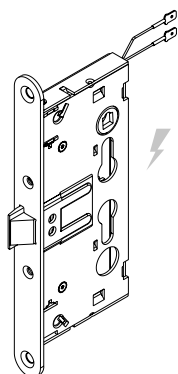
Complete range in the catalogue ISEO in the chapter PANIC EXIT DEVICES

Electric Locks for Fire Resistant Doors
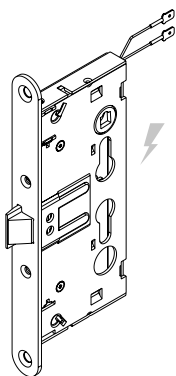
The locks certified for fire resistant doors have 1 lateral point, latchbolt only. The Panic exit follower is enabled only during the electric pulse (12 Vac/Vdc). The mechanical cylinder enables and disables the panic exit follower.

Panic exit electric mortise locks for Fire Resistant Doors

The locks certified for fire resistant doors have 1 lateral point, latchbolt only. Latchbolt operated by external handle only if enabled by the key or during the electric pulse (12 Vac/Vdc). The latchbolt is always operated in the internal side from the panic exit device.

Complete range in the catalogue ISEO in the chapter PANIC EXIT DEVICES

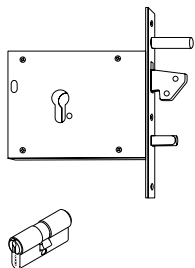# **V**364 compatible products

ELECTRICAL LOCKS/DEVICES

2001 locks for gates
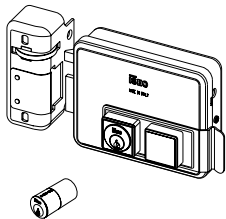
The 2001 locks for gates are electrically operated (12 Vac 15W) and their range includes various versions:
self locking latchbolt or Latch + Deadbolt;
painted or INOX Steel finish;
with and without internal cylinder;
with and without internal button.

Complete range in the catalogue ISEO in the chapters LOCKS FOR METAL FRAMES and LOCKS FOR WOODEN FRAMES

381 EGI

The 381 EGI is an electric operated (12 Vac) mortice lock with steel hook and european profile cylinder.

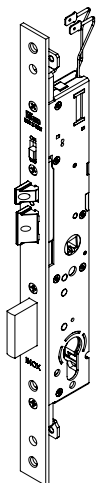Complete range in the catalogue ISEO in the chapter LOCKS FOR METAL FRAMES

V364 compatible products

ELECTRICAL LOCKS/DEVICES

Perfor**з**a Elettrica

PERFORMA by Iseo has been conceived and developed to meet the requirements of the European market by adopting two different centre distances: 85 and 92 mm. It can be operated by a European profile cylinder with straight or 45° projecting DIN cam. The top and bottom lock housings incorporate low friction chamfered sliding deadbolts providing a perfect alignement into the keeps. The unique locking action of these chamfered bolts when combined with the latest generation of profiles helps maintain weather seal compression for better thermal insulation and energy saving.

Complete range in the catalogue ISEO in the chapter LOCKS FOR METAL FRAMES

Electa Elettrica

Electric lock for metal frames, central lateral locking or 3 points lateral locking.
Electa has a rotating deadbolt and a self-locking latchbolt.
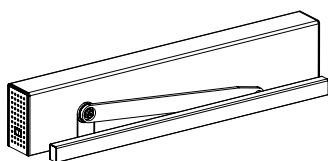Unlocking by electric pulse (12Vac/Vdc) , key (european profile cylinder) or handle follower.

Complete range in the catalogue ISEO in the chapter LOCKS FOR METAL FRAMES
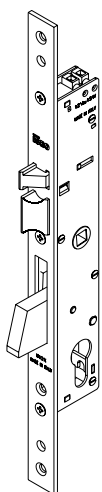
V364 compatible products

ELECTRICAL LOCKS/DEVICES

IS9100

Swing door operator. For doors up to 1100 mm in width and 160 kg in weight.
For internal doors and doors opening outwards.

The device IS9100 is an electromechanical swing door operator for single or double leaves doors. It can be installed both on new and existing doors. It can be operated in 2 modes: automatic swing door operator mode (i.e. opening after a pulse generated by motion sensor or pushbutton) and manual opening mode (i.e. the device is used as a traditional door closer).

The device is equipped either with a sliding arm for the installation on pull side or with a standard arm for the installation on push side with lintel depth of 225 mm maximum.

The device is protected by an elegant cover 70 mm high only.

Complete range in the catalogue ISEO in the chapter DOOR CLOSERS

Match Radiale
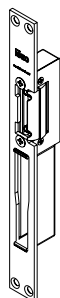
The Match Radial range of electric strikers is wide and cover the various customer needs.
It includes devices with various functions:
- with or without striking plate;
- adjustable or fixed;
- fail secure or fail safe version;
- permanent or limited unlatching;
- with or without hold-open lever.

Complete range in the catalogue ISEO in the chapter LOCKS FOR METAL FRAMES

Other electrical devices

Push SIRENA
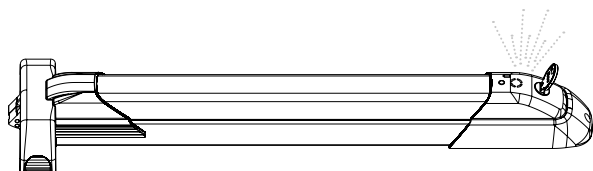
Panic exit device with acoustic alarm.
When the alarm is on, the device emits a strong acoustic signal (90dB) every time the bar is pressed, thus providing the emergency exit with further security against thefts and/or unauthorized opening. It is compatible with ISEO Push range and can be easily mounted in retrofit on panic exit devices already installed.
The battery operation without external power allows for a quick, easy and cost-effective installation.
A selector connected to a key-operated European single profile cylinder (included) is used to program the functions and set the device status (alarm off, alarm on, courtesy).

Device functions and features:
- "Break" function to exit without alarm.
- Alarm reset only by key.
- Acoustic signals. 2 Led signals showing devices status and battery charge.
- Powered by 2 AA alkaline batteries (over 2 years' life without alarm)
- 3-level discharged battery signal allowing for scheduled replacement
- Selector compatible with European single profile cylinders (size 30+10) with 8-position DIN cam.

Complete range in the catalogue ISEO in the chapter PANIC EXIT DEVICE

BCS2000
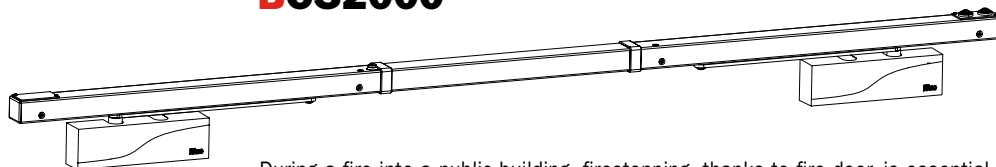
During a fire into a public building, firestopping, thanks to fire door, is essential for fire fighting and protection of people and property. BCS2000 allows to keep the fire doors open in normal situation to make the traffic into the building easier, ensuring the complete closing of the door in case of fire-detection. It includes door closer, electrically powered hold-open and door coordinator functions.

Complete range in the catalogue ISEO in the chapter DOOR CLOSERS

FL96 Evo
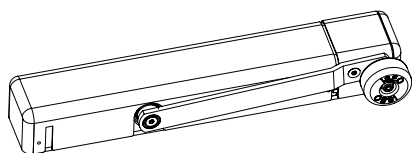
This device contributes to the firestopping into the public building too, ensuring door closing. It's destined to equip single leaf. The main aim of FL96 Evo is to keep the doors completely free in normal situation, in order to give flexibility to user to manage door positions.It includes door closer and electrically powered hold-open functions.

Complete range in the catalogue ISEO in the chapter DOOR CLOSERS

	Package	Code

Accessories

POWER SUPPLY UNIT 12Vdc - 50W
Input 120-230Vac. Output 12Vdc 3,5A.
DIN35 rail mounting.
Package: 1 power supply unit, instruction manual.
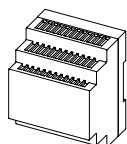
	1	**5E3503**

POWER SUPPLY UNIT 24Vdc - 30W
Input 120-230Vac. Output 24Vdc 1.2A.
DIN35 rail mounting.
Package: 1 power supply unit, instruction manual.

	1	**5E3501**

POWER SUPPLY UNIT 24Vdc - 70W
Input 120-230Vac. Output 24Vdc 3A.
DIN35 rail mounting.
Package: 1 power supply unit, instruction manual.

	1	**5E3502**
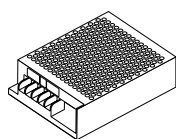
POWER SUPPLY UNIT 12VDC - 42W
Input 120-230Vac. Output 12Vdc 3A.
DIN35 rail mounting.
Compatible with THESIS.
Package: 1 power supply unit, instruction manual.

	1	**5870000004012**
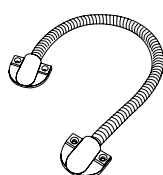
CONCEALED LEAD COVER, flexible, external, L=300. For openings up to 180°.	1	**94403010E**
CONCEALED LEAD COVER, flexible, external, L=450. For openings up to 180°.	5	**FXAGFA45D900000**
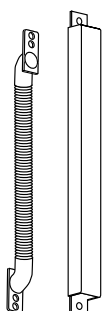
CONCELEAD LEAD COVER, flexible, flush version L=260
For openings up to 90°.
Compatibile con Thesis, Top Exit DGT, x1R.

	1	**00000881000000**

SPRING CONCELEAD LEAD COVER, flexible.
For openings up to 180°.

	1	**0000060130000**

* See Iseo price list and catalogue

1. Scope
1.1 These general conditions shall apply to all supplies made by ISEO Serrature S.p.A. having registered office in Via San Girolamo 13, 25055 Pisogne (BS) Italy (hereafter "ISEO") to the buyer. No buyer's general conditions shall apply to the transactions with ISEO, unless expressly approved in writing by ISEO. The buyer's acceptance of ISEO's offer or order confirmation from ISEO, however made, shall imply the application of these general conditions to the sales contract.

2. Orders
2.1 Buyer's orders shall become binding following a written order confirmation. The execution of the order is equivalent to the acceptance of the order (hereafter the "Binding Order"). Each offer made by third parties (agents, representatives etc.) shall become binding for ISEO only after the latter's written confirmation.
2.2 A Binding Order shall be executed only in compliance with that specified in the order and these general conditions. Any other documents shall apply only if expressly agreed by the parties.
2.3 Should the buyer request changes to the Binding Order, ISEO shall decide, at its incontestable discretion, whether to accept such request and how to adjust the price accordingly. Should ISEO accept the partial and/or total cancellation of an order, the buyer shall reimburse all costs incurred by ISEO until the time of the cancellation or pay the full price of the products if the manufacture of the products has already been completed.
2.4 Characteristics, the prices and other data included in catalogues, price-lists or other ISEO's illustrative documents, as well as the characteristics of the samples and models sent to the buyer are non-binding, unless explicitly mentioned as binding in the Binding Order.
2.5 Any estimates sent by ISEO are to be considered binding for a period of 1 month from the date of such transmission, unless otherwise specified.
2.6 ISEO shall reserve the right to change and/or improve its products as may be deemed suitable at any time. Should such change be necessary to ensure compliance of its products with the legal regulations in force, ISEO may also modify the characteristics of the products already ordered by simply notifying the buyer of this. In any case, the buyer shall not be entitled to damages.

3. Deliveries/execution of the orders
3.1 Unless otherwise specified in the Binding Order, products shall be delivered according to the delivery terms mentioned below and established in the ICC's Incoterms ® 2010:
Italy: DAP Incoterms ® 2010 – carriage free
EU (Member States of the European Union where no customs duties are applied): DAP Incoterms ® 2010
Rest of the world: as specified in the Binding Order
The delivery terms shown below and/or in the Binding Order are merely indicative and are to be understood having an appropriate period of grace in favor of ISEO. In any case, delivery times are not essential.
Delivery terms for standard supplies are as follows (the classification within a certain status is shown in the ISEO catalogue):
Status "A": prompt delivery (or, for shortage of goods promptly notified by ISEO, within 30 days from the date of the order confirmation)
Status "B": within 30 days from the date of the order confirmation
Status "C": within 60 days from the date of the order confirmation
Status "D": within 90 days from the date of the order confirmation
Delivery terms for supplies made to buyer's job orders shall be agreed from time to time.
3.2 In order to satisfy internal needs, ISEO may, at its discretion, break down a delivery of products into several partial deliveries. ISEO shall be entitled to apply a price increase when the buyer requires urgent deliveries ("urgent" means not within the standard transportation terms) in order to cover additional management, logistics and transportation costs. These costs may vary from time to time.
3.3 For individual orders with a (taxable) order value less than:

Italy:	550.00 €
UE	1,550.00 €
Extra UE countries	3,000.00 €

a fixed (taxable) management contribution shall be charged on the invoice amounting to:

Italy:	25.00 €
UE:	78.00 €

3.4 Should the execution of the order require the obligation to procure parts manufactured from third parties, the execution of the order shall be contingent upon the proper performance by such third parties.

4. Prices and payments
4.1 Prices including packaging (the packaging units are indivisible) are those shown in the ISEO price lists in force when receiving the purchase order. Each new price list shall automatically replace the previous one.
4.2 Should a binding regulation involving an increase of the order execution costs enter into force after the acceptance of the order, ISEO shall reserve the right to adjust the price correspondingly.
4.3 Payments and any other amount due to ISEO for whatever reason shall be understood as net at the creditor's domicile. For no reason whatsoever, including complaints concerning the products supplied, the buyer may suspend the payments due. The payment terms shown on the invoices shall be understood as essential terms.
4.4 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 192/2012-implementation of Directives 2000/35/CE and2011/7/UE.
4.5 Should the buyer, for whatever reason, not settle the payment due, ISEO may, at its discretion, either suspend the execution of the ongoing orders, regardless of the fact that they have already been confirmed, until the complete settlement of the amounts due on the basis of the orders already carried out, or require suitable guarantees of payment from the buyer, or unilaterally change the payment conditions for the orders still to be carried out.
4.6 No offsetting with any receivables from ISEO arisen for any reason whatsoever shall be permitted.

5. Retention of title and transfer of risks
The products supplied shall remain the property of ISEO until full settlement of the price of the relevant order. For this purpose, the buyer shall commit himself to take the necessary measures to establish a suitable retention of title, extended as legally admitted, in the country where the products are located or to establish a similar form of guarantee in favor of ISEO. Should a third party creditor of the buyer attempt to seize the goods referred to in the retention of title, the buyer shall (i) promptly notify ISEO and (ii) take all necessary measures to safeguard ISEO's property rights.Regardless of the delivery term applied, the risk of deterioration and/or of damage of the products shall pass from ISEO to the buyer when handing over the products to the first carrier.

6. Guarantee and responsibility/limitations
6.1 ISEO shall guarantee that the products comply with the specifications mentioned in the order and with the Italian legislation in force at the time of the order confirmation and that they are free from engineering, material and construction defects caused by ISEO. In particular, ISEO shall not give any guarantee of compliance with the legislation in force in the country of destination of the products and shall not guarantee that the products are suitable for the use the buyer intends to. The buyer shall be responsible for complying with all the regulations in force concerning marketing and the use of the Products (including the safety regulations). In any case, the buyer's guarantee referred to in this article shall be voided in the following cases: (i) installation and/or use and/or maintenance of the products not in compliance with ISEO's information and operating instructions, (ii) changes and/or repairs without ISEO'S prior written authorization, (iii) normal wear of the products and/or no regular settlement of the product payment by the buyer; (iv) defects resulting from the buyer's engineering and technical specifications, instructions given by the buyer and, more generally, any defects due to the buyer's fault or to activities carried out on the Products by the buyer without ISEO's approval. Furthermore, should ISEO use third party's parts for manufacturing the Products, ISEO's guarantee vis-à-vis the buyer concerning such third parties' products shall be limited to the rights granted by such third party to ISEO.
The guarantee referred to in this article shall last 10 years for fully mechanical products and 3 years for all other products, unless otherwise stated. Both periods shall start from the delivery date.
6.2 The buyer shall inspect the goods immediately upon delivery. The quantity of the individual batches recorded by ISEO when they are sent from its headquarters shall be considered to correspond to the quantity received by the buyer at the time of delivery, unless otherwise proven by the buyer. When receiving the goods, the buyer shall commit himself to notify any visible defect and/or non-conformity in writing within 8 days after delivery by registered letter with acknowledgement of receipt using the D7.1.10 return form available at the ISEO site at the following address: www.iseoserrature.it. Any hidden defects shall be notified in writing by registered letter with acknowledgement of receipt within 8 days after they have been found. Failure to meet the above mentioned term shall lead to forfeiture of each buyer's right resulting from the defects found.
6.3 As a result of a defect notification and within 8 days after the defect has been found, the buyer shall send the product considered to be defective to ISEO, at its own expense, for inspection or should the nature of the product require it, allow ISEO to carry out an inspection on site.
6.4 In any case, products shall be considered defective only after ISEO's technicians have ascertained the presence of the defects. In this case, ISEO shall repair the defective product, or, should no repair be possible or should a repair involve excessive costs, ISEO may, at its discretion, replace the defective product with a conforming product or issue a credit note for the value of the product. ISEO shall not be liable for disassembling, transport, reassembling, reinstallation and inspection costs of the defective products covered by this guarantee.
6.5 Should the case of non-conformity result from circumstances not caused by ISEO, ISEO shall not be liable in any way.
6.6 ISEO's liability for the product shall be limited to direct damages. In no case, ISEO shall be liable for indirect damages or however for damages such as, including but not limited to, reputational damages, damages resulting from loss of use, loss of production, loss of goodwill, loss of profits, loss of contracts, loss of business, loss of income, losses resulting from an increase of operating costs or financial or economic losses. Unless willful misconduct and gross negligence are proven, ISEO's full liability for all claims of any kind of losses or damages resulting from the observance or non-observance of these conditions in connection with an order may not exceed, in any case, a value equal to the order value.

7. Intellectual property
7.1 In any case, the execution of the Binding Order shall not involve a transfer of ISEO's intellectual property rights. ISEO is and shall remain the exclusive owner of these rights. Similarly, no license concerning these rights shall be granted.
7.2 The buyer may not remove or change ISEO's distinctive marks on the products.
7.3 Any drawings or technical documents supplied to the buyer for the purpose of manufacturing or assembling the products sold or parts of them shall remain the exclusive property of ISEO and may neither be used by the buyer nor copied, duplicated, transmitted or communicated to third parties without ISEO's prior approval. ISEO shall not transfer any property rights concerning its software supplied to the buyer. The buyer may neither export nor re-export the software with no relevant license. The buyer shall be forbidden to change the software, carrying out reverse engineering or decompiling or disassembling activities and to license it to third parties (except for cases when, according to the type of software supplied, the license to third parties was tacit or was included in the specific contract with the buyer).
7.4 Should ISEO manufacture the products according to the buyer's instructions, drawings etc. the buyer must hold ISEO indemnified from any claims by third parties for breach of their exclusive property rights to the extent that such breach results from the instructions given by the buyer.

8. Force majeure
8.1 Neither Party shall be held responsible for the breach of any clauses in these conditions and/or in the order confirmed and/or for the delayed fulfilment of the relevant obligations if such breach and/or delay result from circumstances beyond the reasonable control of the Parties, including but not limited to, acts of God, acts of the Government, strikes, riots, shortages of necessary supplies and/or lack of means of transport.
8.2 The Party affected by the event of force majeure shall immediately notify the other Party in writing of the event and of the estimated duration. The fulfillment of the obligations of the Party affected by the event of force majeure shall be suspended for the duration of such force majeure.
8.3 Should such circumstances last more than three months, the other Party shall have the right to terminate the contract with immediate effect by notice in writing to be sent by registered letter with acknowledgement of receipt.

9. Competent court and applicable law
Any dispute relating to or however in connection with these general conditions, and/or the sales contracts entered into according to these general conditions shall be settled by the Court in Brescia. ISEO shall have the right to proceed against the buyer before any other competent Court.
These general conditions as well as each individual supply carried according to them shall be governed by the Italian law.

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