

SMARTair® *i-max* SKG** Escutcheon Euro profile

ASSA ABLOY
Opening Solutions

A renewed *i-max* electronic escutcheon with higher robustness passing the SKG** standard. Adding to the *i-max* escutcheon a reinforced external escutcheon and through-bolts to full fill all security requirements. The SMARTair® *i-max* SKG** escutcheon keeps all security components on the internal side of the door. It is suitable for high traffic

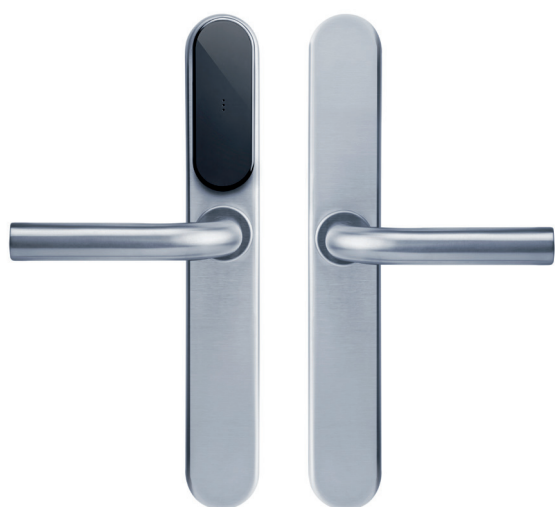
doors where, by specification, it is mandatory to be SKG** certified. Easy installation without any wiring. Making it the perfect solution for those doors in a building where the highest security standards are required by law. Avoiding mechanical keys and getting full access control functionality.

Experience a safer
and more open world

SMARTair®
Your Access. Your Control.

Technical data – SMARTair® *i-max* SKG** escutcheon

	Door profiles	Suitable for wooden or narrow profile doors
	Special doors	Special solution for those doors where the SKG** certificate is mandatory by law
	Traffic volume	Medium to high
	Installation	High retrofit. Easy installation without any wiring
	Power supply	Batteries (from 90,000 to 126,000 cycles depending on the reading technology (MIFARE, DESFire, etc.) and the management system Max. 3 years standby (depending on cycles per day)
	Type of batteries	Three LR03 AAA 1,5V alkaline batteries
	Certifications	CE (EMC, R&TTE), ROHS, REACH, WEE, SKG**
	Exterior usage	IP56 (Extreme version) Up to 85% humidity -20°C to +70°C
	Multi-authentication	No Only RFID and/or mobile solutions
	RFID technologies	13,56MHz Read & Write technologies MIFARE Classic and Ultralight, DESFire, SKIDATA
	Mobile solutions	 Openow™ (Bluetooth Low Energy)   TESA SMARTair (Remote opening app)
	SMARTair systems	Compatible with all SMARTair systems: · Offline/Update on card > Metallic internal cover · Offline/Update on card + Openow > Metallic internal cover · Wireless + Openow > Metallic internal cover + plastic cap (Including the WIR module)
	System upgradability	SMARTair Offline / Update on Card escutcheons can be upgraded to wireless online. And Openow can be activated in the field. Upgrade to Wireless Online by: · Change of internal cover (plastic top) · Adding RF module Activate Openow functionality: · In the field through an special activation card Both actions are independent and in addition to the mentioned tasks, they also require a software license upgrade.



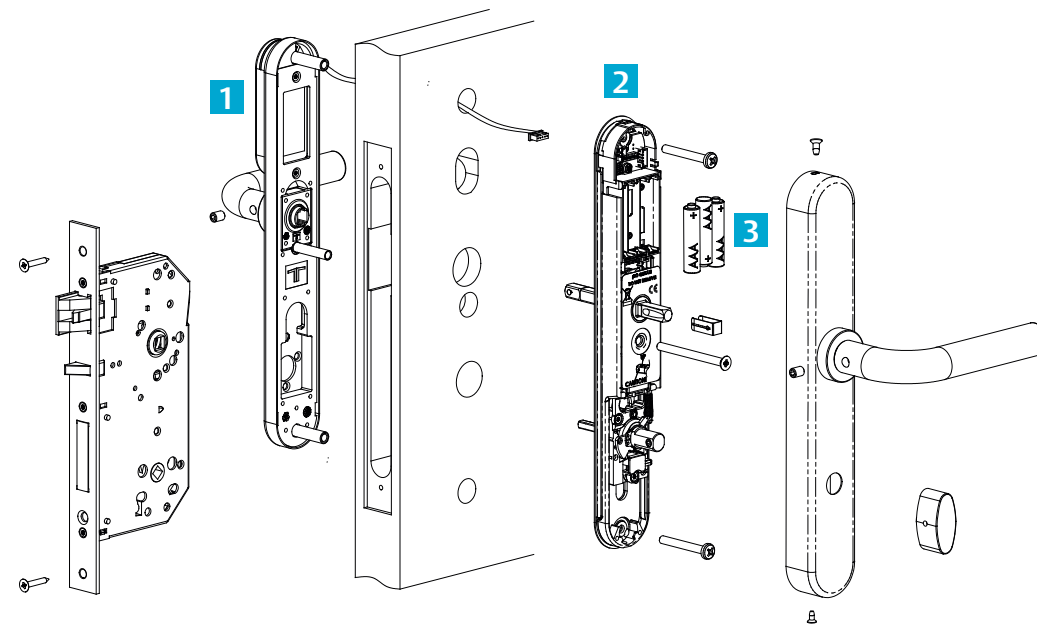
UOC or UOC+Openow



WIR or WIR+Openow

Electronic Technical Characteristics

The SMARTair escutcheon has the reader module on the external escutcheon and the control and battery module on the internal escutcheon. The WIR escutcheons include the wireless module and the plastic top internal cover by default. Both UOC and WIR escutcheons include the BLE hardware by default.



1 Reader Module

- 13,56MHz RFID Technology. The electronic escutcheon can work with one of the available reading technologies: MIFARE Classic (or Ultralight) or DESFIRE. Without the need to change the firmware. Just selecting the technology in the software setup.
- Activation mode. The electronic escutcheon will wake up just by approaching the credential. Without the need to make any previous action.
- Reading distance. 2-4cm. Given by the identification technology.
- Warning LED. Blue, green or red lights for different warning actions: granted access, access denied, low battery level, etc.
- Connection to the programming device. Through a special cable with three pins. Necessary to initialize the escutcheon and to make emergency openings (in case of low battery level and when there is not mechanical key override).

2 Control unit and battery module

- Non-volatile memory.
- Up to 3,000 users and 1,200 events.
- Real time clock and calendar. Up to 30 time zones with five different periods during the day. Weekdays and weekends automatically recognized. 365 days calendar to define holidays. DST's automatically updated through the calendar.
- Battery module. Easy battery change. Maintains clock and calendar for 5 minutes without batteries. The battery status reported on every event or once per day if no events happen.

Operation modes

Possibility to create state tables in the software, to define automatic changes in the doors (during the day) of the following operation modes:

- Passage mode: The door is open. This operation

mode can be established automatically or manually by authorized users.

- First user: The door is closed until the first user with authorized access opens the door. After that operation, the door will remain in passage mode (open).
- Standard: The door is closed and a user with authorized access must approach its credential to open the door.
- Double user: The door is closed and two users with authorized access must approach their credentials to open the door.

Special features

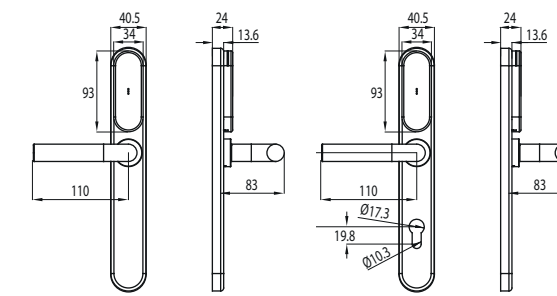
- Standard or ADA users. Standard opening time from one to 15 seconds. ADDA users will have double time.
- High traffic doors: for unlimited number of users.
- Internal handle detection to detect if a user is leaving the room.
- Door position through a door sensor (not included).
- Mechanical key override detection (with a special mortise lock).

3 Mobile solutions

(Openow/Remote TESA SMARTair App)

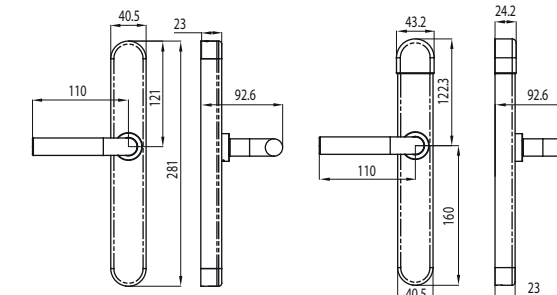
For Openow, the electronic escutcheon includes the necessary BLE hardware by default. It can come with the functionality activated from the factory, or can be activated in the field through a special activation card. It is also necessary to activate the functionality in the software license.

For Remote TESA SMARTair App it's only for WIR electronic escutcheons and they include the RF module valid for wireless communications. It is necessary to activate the functionality in the software license.



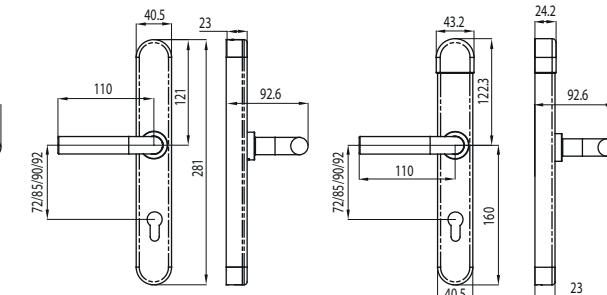
Ext. Escutcheon
Blind (L1S)

Ext. Escutcheon
With mech. cylinder (L2V/L3V)



Int. Escutcheon
Full metallic
(for UOC or UOC+ Openow)
Blind (L1S/L2V)

Int. Escutcheon
Metallic + Plastic Cap
(for WIR or WIR+Openow)
Blind (L1S/L2V)



Int. Escutcheon
Full Metallic
(for UOC or UOC+ Openow)
With mech. Cylinder (L3V)

Int. Escutcheon
Metallic + Plastic Cap
(for WIR or WIR+Openow)
With mech. Cylinder (L3V)

Mechanical Technical Characteristics

External escutcheon

- Stainless steel solid escutcheons with reinforced through-bolts.
- Conical handle washer.
- Not handed.
- Freewheeling handle when the door is close.
- Turns 60° up and down (valid for lift & lock mortise locks).

Internal escutcheon

- Panic function. The internal handle always opens the door.

- The electromechanical clutch works with a special split spindle.
- The spindle has different lengths according the door width.
- From 30mm to 110mm door width.

Mortise lock

- Compatible with any SKG** euro profile mortise lock.
- Pass through follower is required.
- Distance between axes: 72mm or 92mm.
- 8mm spindle.

SMARTair Escutcheon Models

Euro profile without electronic privacy

With any euro SKG** profile mortise lock.

- 8mm spindle.
- Distance between axes: 72mm or 92mm.
- L1S Model. Without mechanical key override (blind).

- L2V Model. With half mechanical key override (visible).
- L3V Model. With double mechanical key override (visible).

Handles and finishes



The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

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