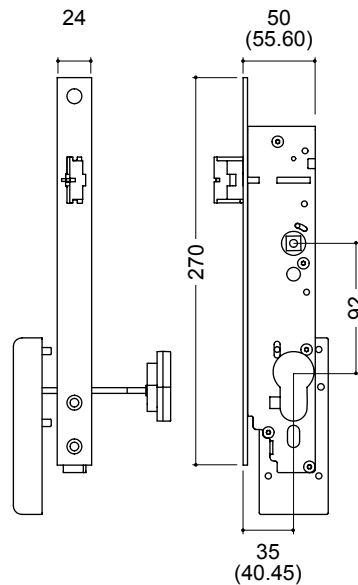


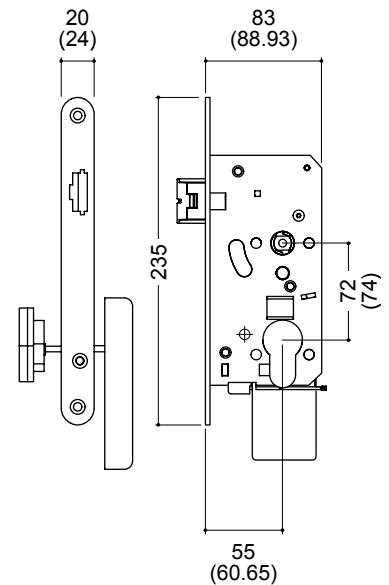
## eLOCK eXpert **APS Comfort system**



**Frame door lock**  
in acc. DIN 18251-Part 2



**Timber door lock**  
in acc. DIN 18251-Part 1



### Technical data (Hardware)

**Power supply** ————— 1 x 3V CR-V3 Lithium battery

**Battery working life** ————— Operational readiness up to 3 years, at 10 locking transactions a day  
Total number of locking transactions: Up to 70,000  
Stand by time: Up to 5 years

**Emergency opening** ————— **Electronic:** For a once-only coupling of the door handle with the device  
External power supply (if the battery is empty)

**Data retention in the event of power outage** ————— Unlimited buffering of event memory

**Time** ————— Accuracy under normal usage: +/- 9 minutes/year  
Automatic daylight saving time switching

**Interface** ————— NFC interface, in accordance with ISO 14443A

**Deployment area** ————— Standard doors, fire protection doors and emergency exit and escape route doors.  
In combination with door handles with split square (lock with divided follower).

**Deployment conditions** ————— Interior doors  
Exterior doors if the electronics are installed in a protected interior area.

**Protection class (DIN EN 60529)** ————— IP54 – Exterior  
IP41 – Interior

**Operating temperature** ————— 0 °C to +55 °C

**Storage temperature** ————— -20 °C to +60 °C

**Relative humidity** ————— (operation/storage) max. 95 % without condensation

**Read distance** ————— up to 15 mm, depending on the construction of the transponder

**Approvals, Norms  
and Directives**

- › CE conformity
- › RED Directive 2014/53/EU
- › RoHS Directive 2002/95/EG
- › DIN EN 179 ————— Locks and building hardware – Emergency exit locks with handle  
or push pads for escape route doors
  
- › DIN EN 1125 ——— Locks and building hardware – Panic locks with horizontal operating bars for emergency exit doors
- › DIN 18251 Part 1 – Mortise locks for folding doors
- › DIN 18251 Part 2 – Mortise locks for frame doors
- › VdS – Mechanical locks, tested and approved by the VdS
- › Lock resistance, in acc. DIN 18251 Class 4:  
Increased break-in resistance and high frequency of use

- Deployment in fire-protection doors** — When deployed in fire-protection doors, door handles compliant with DIN 18273 FS are to be used, which have been tested and approved with the following locks:
- B2170 lock from the BKS Company (Timber door)
  - B1970 lock from the BKS Company (Frame door)



## Options

**APS Comfort system For timber doors** ————— Electronic, self-locking anti-panic lock for timber doors in combination with handle fittings with a fixed pivoted bearing in the rosette, with split handle spindle, 9 mm spindle

	Standard	fire protection	mechanical locking option
Single-leaf	●	●	●
Double-leaf	●	●	●

**APS Comfort system For frame doors** ————— Electronic, self-locking anti-panic lock for frame doors in combination with handle fittings with a fixed pivot bearing in the rosette, with split handle spindle, 9 mm spindle

	Standard	fire protection	mechanical locking option
Single-leaf	●	●	●
Single-leaf, top locked	○	○	○
Double-leaf	●	●	●
Double-leaf, top locked	○	○	○

● available    ○ on request

<b>Lock configuration</b>	Frame door lock	Timber door lock
<b>Spindle</b>	9 mm	9 mm
<b>Follower</b>	divided	divided
<b>Bolt length</b>	35, 40, 45 mm	55, 60, 65 mm
<b>Distance</b>	92 mm	72 mm
<b>Face plate shape</b>	Rectangular, U-plate	round
<b>Face plate width</b>	24 mm	20, 24 mm (28 mm on request)
<b>Face plate length</b>	270 mm	235 mm
<b>DIN direction</b>	Right, Left	Right, Left
<b>Direction of opening</b>	Inwards, Outwards	Inwards, Outwards
<b>Antenna cap colour</b>	99 (Pure white) 90 (Deep black) 95 (Stone grey) 92 (Anthracite grey)	99 (Pure white) 90 (Deep black) 95 (Stone grey) 92 (Anthracite grey)

<b>Surface finishes</b>	Covering cap	Face plate	Antenna caps
	Stainless steel (other finishes on request)	Stainless steel	Polyamide, in the four colours 99 (Pure white), 90 (Deep black) 95 (Stone grey), 92 (Anthracite grey)

## Technical data (System)

<b>System administration</b>	OPERTIS eLOCK eXpert
<b>signalling</b>	<b>optical</b> through LEDs (red, green, blue, yellow); <b>acoustic</b> through a buzzer (Can be activated/deactivated for each APS Comfort system through the OPERTIS eLOCK software)
<b>Event memory in the device</b>	Ring buffer the last 10,000 accesses
<b>Coupling duration</b>	Exterior: 3 - 1800 seconds, adjustable through the eLOCK eXpert software Interior: Permanently coupled, emergency exit function
<b>Transponder technology</b>	MIFARE® DESFire®
<b>Memory requirements per transponder</b>	<ul style="list-style-type: none"> <li>▶ 2K – S – small locking – max. 154 locking rights</li> <li>▶ 4K – M – mid-sized locking system – max. 666 locking rights</li> </ul>
<b>System sizes</b>	<p><b>across the system</b></p> <ul style="list-style-type: none"> <li>– 250,000 Transponders</li> <li>– 65,000 End devices</li> <li>– Unlimited persons</li> <li>– Unlimited end device groups (as a tree structure with a depth of ≤ 20 levels)</li> <li>– Unlimited locking groups</li> <li>– Unlimited person time profiles</li> <li>– Unlimited end device time profiles</li> <li>– Unlimited public holiday dates</li> </ul> <p><b>Per end device</b></p> <ul style="list-style-type: none"> <li>– 250,000 Transponders</li> <li>– 20 End device groups (max. Depth of the tree structure)</li> <li>– Unlimited locking groups</li> <li>– Unlimited person time profiles</li> <li>– 1 Device time profile</li> <li>– 512 Public holiday dates</li> <li>– Logging of the last 10,000 accesses (ring buffer)</li> </ul> <p><b>Per transponder</b></p> <ul style="list-style-type: none"> <li>– Locking rights (end devices, end device groups): 154 with small locking systems 666 with mid-sized locking systems, in acc. with the defined size of the locking system</li> <li>– 6 Individual time profiles</li> <li>– 1 Fixed time profile “Always”</li> <li>– Unlimited public holiday dates</li> <li>– 5 blacklist entries (lost transponders of the entire locking system), for blocking at the end devices (ring buffer)</li> <li>– 20 System/ battery messages (battery low) from the offline end devices (ring buffer)</li> <li>– Max. 3 eLOCK eXpert locking systems (applications)</li> </ul> <p><b>Per end device group</b></p> <ul style="list-style-type: none"> <li>– 250,000 Transponders</li> <li>– Unlimited locking groups</li> </ul> <p><b>Per locking group</b></p> <ul style="list-style-type: none"> <li>– Locking rights (end devices, end device groups): 154 with small locking systems 666 with mid-sized locking systems, in acc. with the defined size of the locking system</li> <li>– Unlimited persons</li> </ul>

- Programming** — All locking rights are programmed in the OPERTIS eLOCK eXpert software. All pending programming tasks are listed in the ToDo menu.  
**Data transfer can be done selectively over:**
- ▶ OPERTIS NFC Stick in combination with the OPERTIS eLOCK eXpert software (at end devices and transponders)
  - ▶ OPERTIS ToDo Card (at end devices)
  - ▶ The computer network, online (at wall scanners with online licence)
  - ▶ Wall scanners with online licence (updating the transponder)
- Time profile** — **Person time profile** – Defines the validity period of the transponder  
**End device time profile** – Defines the timepoint (open/close or only close) for the automatic activation/deactivation of Office mode  
 One time profile consists of a maximum of 10 slots. Each slot defines a timepoint (from/till) and the corresponding weekdays and special days.
- Office mode** — Special operating mode: Serves to be able to open a door with authorisation checking, e.g. for opening a door during the working day to allow public access  
 Activation/deactivation is done through a special routine directly at the end device and is reserved for transponders for which this additional authorisation has been released.
- Fire service mode** — is activated exclusively when a fire service transponder is used. If an end device is in fire service mode, the door can be opened without presenting a transponder. Fire service mode is always indicated through a yellow light signal, irrespective of how signalling is defined in the software. Fire service mode is always activated through the authorisation check when a fire service transponder is presented.
- Ticket transponder** — the validity is limited (1 - 8,760 hours) and is activated the first time it is used. A ticket transponder can be released for 24 hours, for example, from the first usage. Each transponder belonging to a locking system can be programmed as a ticket transponder, through a special programming routine.
- Available end devices** — **Wall scanner**
- For doors with automatic control. The wall controller sends a triggering signal, e.g. to the automatic door, car park barrier, elevator door or electric door opener
  - Interior or exterior deployment, depending on components used
  - The wall scanner can use the software's online functions through an online licence. For example, transponders can be updated through a wall scanner with an online licence
- Knob cylinder and half-cylinder**
- Simple and quick installation
  - Modular construction for extra flexibility, e.g. simple, retrospective extension
  - Knob cylinders can be deployed on internal and external doors
  - Large number of options, e.g. APS for emergency exit and escape route doors or SKG\*\*\* for particular anti-burglary protection
- Comfort system**
- Convenient handling
  - Attractive design, through the minimalist design of the antenna caps
  - Can be discreetly integrated into any building design
  - Opening is done by simply presenting an authorised transponder
  - Comfort system for glass doors for internal full-glass doors
  - Comfort system for timber doors for internal timber doors
  - APS versions for internal and external fire protection doors and emergency exit and escape route doors

## Ordering information (system-dependent)

### APS Comfort system for frame doors

ES326.1000E	APS Comfort system for single-leaf frame doors
ES326.1001E	APS Comfort system for single-leaf fire-protection frame doors
ES326.1002E	APS Comfort system for double-leaf frame doors
ES326.1003E	APS Comfort system for double-leaf fire-protection frame doors
on request	APS Comfort system for frame doors, mechanically lockable
on request	APS Comfort system for frame doors, top lockable

### APS Comfort system for timber doors

ES326.1010E	APS Comfort system for single-leaf timber doors
ES326.1011E	APS Comfort system for single-leaf fire-protection timber doors
ES326.1012E	APS Comfort system for double-leaf timber doors
ES326.1013E	APS Comfort system for double-leaf fire-protection timber doors
on request	APS Comfort system for timber doors, mechanically lockable

### Price supplements

ES006.0001	Supplement for timber door lock with bolt length 80
ES006.0002	Supplement for timber door lock with bolt length 100
ES006.0003	Supplement for frame door lock with Schüco face plate, Foster or 6 mm U face plate

### Accessories

ES006.0004	Replacement face plate with top lock for timber doors
ES0893	CRV3 3V Lithium battery (for APS) Comfort system)
ES306.1005	External 3 V power supply for Comfort systems
on request	PZ Rosette for mechanical locking, on request



