

# Passive and active safety with air-lux safe

## **Electrical connections, additional functions**

air-lux provides the interface for the basic functions of the air-lux system in the window and glass areas. The electrical leads are planned and implemented on the building side. Expanded functionalities through the installation of control and safety technology (building automation, building management, remote control applications, etc.) in conjunction with the air-lux system is predicated on prior conceptual coordination with the electrical planner or safety officer.

## **Fitting components and special accessories**

The already very robust air-lux basic construction can be enhanced with additional mechanical and electronic components and specific glasses in tested versions (DIN V ENV 1627ff) for the leading sliding window system up to class RC3:

- Fittings and multi-lock RC2 /RC3, increased protection against the use of break-in tools

These invisible measures (e.g. multi-point locking) can be seamlessly integrated into the air-lux profile system without altering the slim profile.

## **Laminated safety glass**

The interior laminated safety glass ensures highly effective protection against break-in with a multi-layer structure of film and glass (varies depending on the break-in protection level).

- Break-in and impact-resistance

## **Alarm glass**

The wiring for the alarm glass in the window frame of the fixed glazing is prepared by us in the factory; connection with the control system within the building (alarm system, building management system, etc.) must be completed on the installation site. The transmission of the signal from the sliding casement window to the window frame construction installed on the structure itself is done using special electrical contacts. If the exterior alarm glass pane is broken during a break-in attempt, the alarm contact burned into the glazing will trigger an alarm (e.g. acoustically).

## **Bullet-proof glass**

With the air-lux profile series 173, bullet-proof safety glass up to 60mm thick can be built in to ensure the highest degree of protection for both people and property.



The window.

**air-lux**®

**Break-in protection and monitoring systems**

The air-lux system can be adapted to the precise security needs of the builder. Electronic components for monitoring the closing position and locking of the sliding casement windows make it possible to control and monitor the sliding windows through the building management technology (alarm system, home automation system, etc.) – including with mobile devices like smartphones and tablets. Expert air-lux technicians are available for the necessary coordination with safety technicians and electrical consultants.

**LED display on the air-lux operating button**

Visual check of closure status on window

**Magnetic contacts for position monitoring**

Central overview on the building management system, sliding casement window open or closed

**Lock monitoring for window elements**

Central overview on the building management system, closed and locked

The window.

**air-lux®**

### **Fall protection**

For construction situations where it is not possible to step outside, air-lux enables passive safety with a unique integrated fall protection system. The safety glass is practically invisible, filling the entire gap in the frame opening. The sliding casement window is positioned outside of the glass and protects it from inclement weather.



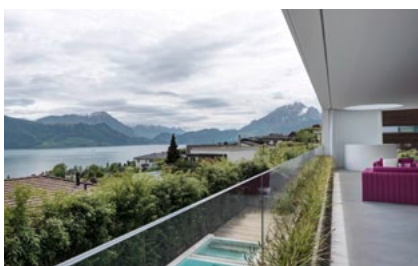
### **Fall protection on parapets**

Discreet fall protection on steep parapets fulfil safety requirements while allowing maximum light penetration and without blocking the view.



### **All-glass railings**

As a comprehensive provider, we install high-quality laminated safety glass railings embedded in the retaining profiles, guaranteeing the required watertightness for all roof extensions.



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