

Automation, dimensions and weight

Operation and function

The sliding window is operated manually, directly on the sliding window. The current status is indicated by the LED on the button. Pressing the button deflates the seal and releases the lock and vice versa.

Other means of operation, and locations, are also possible. On the exterior, entry options such as key switches, numeric codes, fingerprints or badges are available. The control and monitoring of the lock status can also be managed via the building management system or mobile devices.



Operating button

Automation

The air-lux integrated drive is invisibly installed in the vertical framework profile for all opening types and no fixtures or recesses are required in the ceiling. The minimal installation height enables use of the standard vertical framework profile. Access to the drive and control is ensured through the profile.

The sliding window opens and closes fully automatically, smoothly and quietly. A control facility monitors the 'deflation of the seal' – 'unlocking' – 'moving' – 'closing' – 'inflation of the seal' – 'catch locking'.

System control

The sliding profile is fine-tuned by the air-lux technician when the system is put into operation. The system control has an automatic obstruction recognition function through configurable power thresholds incl. reverse function or through the dead man's function. Other safety features can be applied through the use of pressure strips.

The corner casement window and interior flush opening types with two sliding casement windows in all-glass look can be operated individually or in parallel. The secure and 100% impermeably closing motor closure technology in the corner or interior flush is integrated so as to be virtually invisible.

If power is lost, the sliding casement window can be moved manually at any time and locks itself without electric power.

Dimensions

The maximum dimensions for sliding elements and fixed windows are:

- Element size 5900x3000 mm (WxH)
- Element height 4500mm (width limited to 3000mm)
- Individual special formats upon request

Thanks to modern profile technology, even multi-storey windows can be achieved. Contact us for details.

Weight

The reference value for calculating the weight of an element with triple-layer insulating glass is 60kg/m² (fixed or sliding window). Depending on the composition of the insulating glass, weights of up to 1500kg are possible – and yet easy to slide thanks to the robust track and running rail construction. If a sliding element weighs over 500 to 600kg, employing the integrated electric drive is advisable.

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