

When the façade thinks for itself: “Hawa Frontslide Matic”, now with SMI interface

Lively façades which cleverly mediate between outdoors and indoors – Hawa Sliding Solutions AG develops sliding hardware systems for this in the “On buildings” business area. With “Hawa Frontslide Matic” the Swiss company is now presenting what it claims to be the world’s first sliding solution with an SMI interface, via which external shutters can be integrated in the building automation. The intelligent control does not just create comfortable conditions in the interior at all times. It also provides a harmonious façade appearance, and makes a contribution to the energy efficiency of the building.

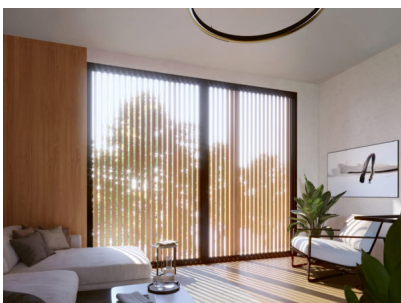
Robust, windproof and weatherproof sliding shutters weighing up to 140 kg made from wood, metal, glass, plastic or textiles. Systems with one to four leaves which move individually, symmetrically or telescopically in a space-saving and discreet way, even in front of large windows – the “Hawa Frontslide” has many faces. And it provides plenty of functionality without interfering with the building envelope: individual use of daylight, economical shading which flexibly aligns itself with the position of the sun, one-way privacy protection, natural temperature control which is suitable for the passive house standard and an individual façade design. All of this increases your well-being in private households. The use thereof in office buildings also has a positive effect on performance capability at the workplace.

The possibility of fully automating these functions has now been opened up on the basis of the “Hawa Frontslide Matic”. The uniform, bidirectional SMI interface (Standard Motor Interface) combines the electric, silent and maintenance-free drive with the controller. Parallel circuits, each with up to 16 drives on one actuator, increase cost-effectiveness and reduce complexity, particularly with regard to installation and maintenance. The precise and synchronized actuation of several sliding shutters harmonizes the appearance of the façade and brings it to life.

Simple but powerful standard commands improve comfort, e.g. for delayed starting or braking or for precise movement to intermediate positions. The drive behavior can be flexibly adapted in the installed condition and interrogated via remote diagnosis at any time. Hawa also promises that there will be “seamless integration in the most popular field bus systems”. This makes it possible to integrate sensors for light and wind in the system, for example, so that the building can react sensitively and quickly to the external conditions at any time with a coordinated sliding shutter movement.



Caption 1: Robust, windproof and weatherproof sliding shutters weighing up to 140 kg made from wood or other materials. Systems with one to four leaves which move individually, symmetrically or telescopically in a space-saving and discreet way, even in front of large windows – the “Hawa Frontslide” has many faces. Sliding solutions can be automated in the “Hawa Frontslide Matic” version with an SMI interface. The precise and synchronized actuation harmonizes the appearance of the façade and brings it to life, and makes a contribution to the energy efficiency of the building. Photo: Hawa Sliding Solutions AG



Caption 2: The intelligent control of the “Hawa Frontslide Matic” creates comfortable conditions in the interior at all times. Thanks to the SMI interface, the hardware can be integrated into the building automation and makes it possible to have individual use of daylight, economical shading, one-way privacy protection or natural temperature control which is suitable for the passive house standard. Photo: Hawa Sliding Solutions AG

Hawa

Hawa Sliding Solutions AG has been developing and producing sliding hardware for doors, partitions, furniture and facades in the residential & hospitality, health & retail, office & education sectors since 1965. More than 250 patents bear witness to the innovative strength of the Swiss company and its own claim to continuously assert itself as a global market and technology leader. More than 60 product families form the basis for comprehensive solution competence which also serves the megatrends: Microliving & Fluid Spaces, Building in Existing Contexts, Energy Efficiency & Climate Protection as well as Inclusive Design. Hawa operates in more than 70 countries worldwide, with two production facilities in Switzerland (Mettmenstetten and Sirmach), foreign subsidiaries for North America (Dallas, USA), Asia and the Pacific region (Singapore) and the Middle East (Dubai, UAE), and with more than 200 sales and specialist partners. #Hawa Sliding Solutions AG, Untere Fischbachstrasse 4, 8932 Mettmenstetten, Switzerland – www.hawa.com