



HSW FLEX Therm

Insulating closure,
amazingly simple

The straight design of the framed panels reduces the visibility of the functional elements to a minimum.

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Switch from sliding mode to door mode with one hand



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Normen	
Wärmedurchgangskoeffizient	Wärmedurchgangskoeffizient nach DIN EN ISO 10077-2
Rahmendurchbiegung	Rahmendurchbiegung Klasse B3 nach EN 1221
Prüfverfahren	Prüfverfahren nach EN 12211
Klassifizierung	Klassifizierung in Anlehnung an DIN EN 14351-
Druckfestigkeit	Klasse 3 oder besser nach DIN EN 1527, entspricht 25.000 Zyklen für aufgehängte Schiebefläche
Druckfestigkeit	Klasse 3 oder besser nach DIN EN 1191, entspricht 20.000 Zyklen für Türfunktion bei Dreh-/Pendelschiebeflügel und Anschlagtür
Druckprüfung	DIN EN 13049 (Simulation und Anpralllasten)
Korrosionsprüfung	Klasse 5 nach DIN EN 1670 (Küstennähe)

07 **Technical details**
Standards

HSW FLEX Therm

Insulating closure, amazingly simple

Switch between panel modes with just a throw of the lock bar.

Outstanding strengths of the HSW FLEX Therm system:

- The new lock bar operation enables childishly simple switching between panel modes from pivoting to sliding
- A pleasant indoor temperature and uninterrupted views of the outside create a relaxed ambience.
- The newly developed profiles without miter joints ensure a uniform and elegant design
- The new corner connecting system with simple screw fittings and the reduced number of components make for shorter delivery times



Image video on request

Pleasant indoor temperature and uninterrupted views



The straightforward lock bar system makes it easy to change the function of the panel with just one hand.

Insulating closure

The frame profiles of the HSW FLEX Therm are designed according to the principle of the thermal separation. By this means you have the full control over your indoor climate, no matter whether the room is cooled or heated. The integrated single-action door (single-action sliding panel or single-action end panel) provides access while the rest of the frontage remains closed. A pleasant indoor temperature and the unrestricted view ensure a relaxed atmosphere. In addition, the innovative lock bar system of the HSW FLEX Therm ensures that handling is easy yet safe.

An effortless solution with clear benefits:

- Operation is hassle-free and uncomplicated thanks to the lock bar system – with no stooping or winding
- Switching between panel modes from pivoting to sliding is extremely quick and easy
- The position of the lock bar clearly shows the mode status and enables reliable monitoring of the locking system



- 01**
Sliding function:
Lock bar points upwards
- 02**
Door function:
Lock bar points downwards
- 03**
Multiple-point lock:
Secure locking in door mode

From sliding mode to door mode in one move

It is very easy to switch between the sliding mode and door mode. With just a single throw of the lock bar the top and bottom bolts are shifted simultaneously. The setting of the lock bar determines the function of the panel.

Secure door function thanks to multiple-point lock

In door mode, the multiple-point lock of the new HSW FLEX Therm provides additional security for the entire system. This makes the operation of the horizontal sliding wall a breeze.

Efficient in form and function

Clean design and improved functionality with insulating closure



The new frame system – efficient and elegant

For HSW FLEX Therm, the entire frame system was redesigned and components reduced – with increased functionality.

This generates major benefits:

- The straight profiles without miter joints ensure a uniform and elegant design
- The new corner connecting system with simple screw fittings and the reduced number of components make for shorter delivery times.



The integrated door closer – hidden in the profile and a breeze to operate

The perfect symbiosis of technology and design: With the HSW FLEX Therm single-action sliding panel, the ITS 96 3-6 closer is completely integrated and concealed in the top door rail.



Energy efficiency thanks to improved thermal separation in the profile

The HSW FLEX Therm offers great insulation of the frame profiles and thus provides an even greater feeling of comfort and well-being.

Safety and reliability

Horizontal sliding walls from dormakaba

These combine high flexibility, elegant transparency, easy installation and convenient operation in a single system. All this is

provided with a high level of safety, as all the necessary standards are of course met.

Standards

Heat protection	<ul style="list-style-type: none"> Heat transition coefficient in accordance with DIN EN ISO 10077-1, $-2UD [W/m^2K] = 1,8$
Endurance strength	<ul style="list-style-type: none"> Class 3 in accordance with DIN EN 1527, corresponds to 25,000 cycles for hanging sliding doors > 100 kg Class 3 in accordance with DIN EN 1191, corresponds to 20,000 cycles for door function for pivoting double-action panel, pivoting double-action sliding panel and single-action door
Impact test	<ul style="list-style-type: none"> Class 5 (highest achievable class) in accordance with DIN EN 13049 (simulation and impact loads)
Corrosion test	<ul style="list-style-type: none"> Class 4 in accordance with DIN EN 1670 (proximity to coast)