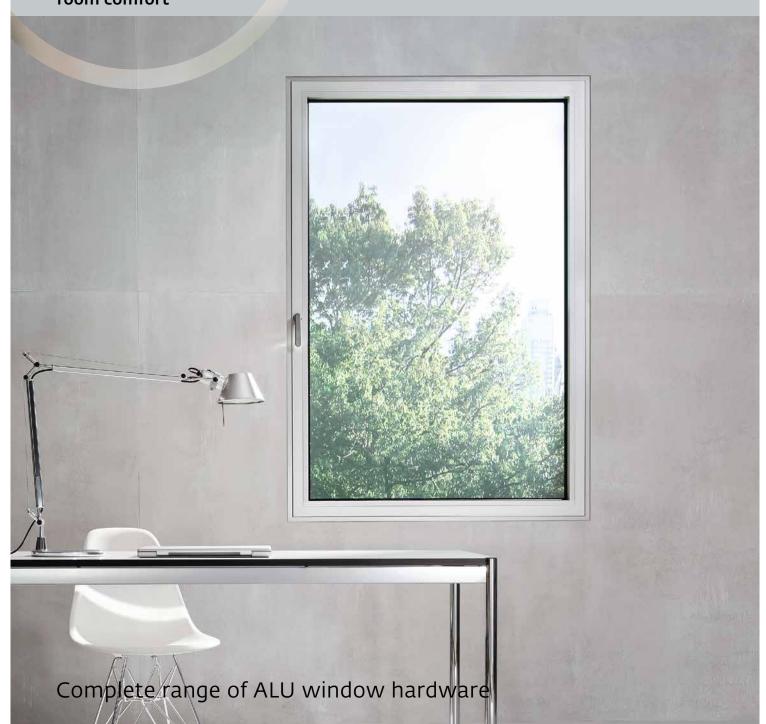


Leading the way with ease.

360° room comfort







More than 100 years of experience.

As a German family enterprise, for four generations now we have been developing pioneering systems that make your life easier for you in your everyday fabricating processes, as well as providing your customers with the security that comes from creating a home or a modern working environment out of four walls. Our products and solutions bring spaces to life and give people a sense of well-being.

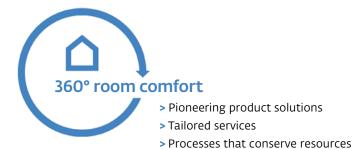
Our keen instinct for market requirements, future developments and customer preferences has made us a leading innovator world-wide. This is something we owe to our workforce of over 2,800 staff in around 80 countries and to the in-depth discussions we have with our partners and customers.

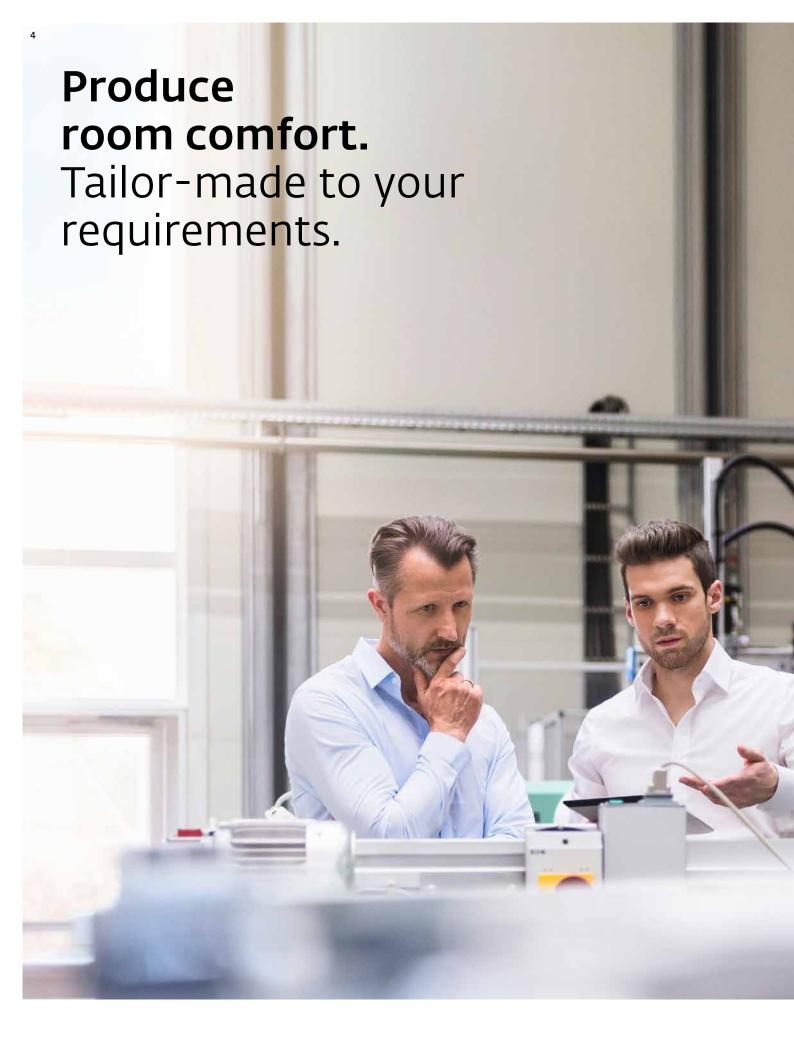
Even though we didn't call it 'room comfort' back then, it's something we've been working on for over 100 years.

Room comfort with a 360-degree view.

When developing our products, we always keep a watchful eye on future trends and needs. What's more, we combine this with tailored services that involve each of our partners. A holistic, forward-looking approach to room comfort is about much more, though: it's about taking responsibility for our living environment by adopting processes that conserve resources.

These are goals that we relentlessly pursue, and we measure ourselves against them with commitment and a 360-degree view:







Greater variety of solutions from a single source.

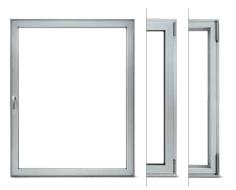
With a comprehensive product portfolio comprising solutions for windows, doors and sliding doors, as well as ventilation and smart home systems, SIEGENIA offers you everything you need from a single source, all to strictly tested quality standards and featuring a host of innovations. Our complete ALU range provides a comprehensive collection of hardware for windows, doors and sliding doors, including smart drive and access control systems.

Greater flexibility and increased cost-effectiveness.

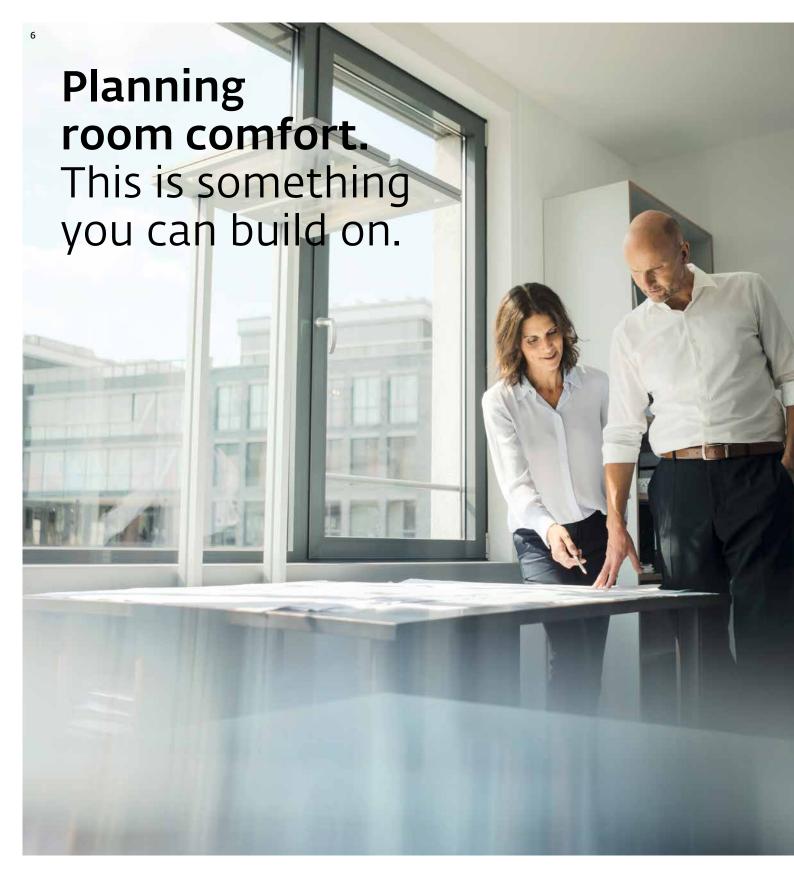
Versatile, innovative and efficient – Where other systems fall short, our comprehensive range of ALU products opens up more possibilities for you. This is all thanks to a modular system that sets new standards for the future with minimal components, a high level of pre-assembly and incredibly simple fabrication. This means you can provide the ideal solution for any opening type and any weight category, which will also be able to meet any security, comfort and design requirements.

Tailor-made services.

Often, it's little details that make a crucial difference in practice. With SIEGENIA, you have a partner who cares about every last detail and understands your day-to-day needs like no one else. That's why we have brought together not just our product systems, but our entire wealth of expertise, and bundled it all together for you – with service packages tailored to your needs, offering advice, information and on-site support. Whether it's for your production, for training your staff, for your marketing or your assembly line – we are there for you!



The ALU modular system. Makes you a master of logistics: all window hardware lines are distinguished only by their stay and hinge side. An extensive range of variants can be achieved with a minimal number of components and a high level of pre-assembly.



Higher-quality planning with room comfort.

Our high-quality hardware, ventilation and building technology not only provide you with the key components for modern living and room concepts, but also with well-coordinated systems. After all, it is only when all of a room's functions work together as one system that a room can truly become a living space.

SIEGENIA gives you the freedom to create the comfort that brings spaces to life: room comfort.

Comprehensive support.

We want to provide you with the best possible support by offering expert advice and services. In addition to our team of property consultants and application engineers, we also have the appropriate data technology and software at your disposal.



The complete ALU range

Overview

08 Window hardware	
Concealed, clampable	10
Surface-mounted, clampable	14
Surface-mounted, screw-fixed	16
Handle range	18
Accessories	20
Motors and monitoring	22
24 Sliding door hardware	
Lift-slide	26
Accessories, motors	28
Slide	30
Parallel-slide, parallel-slide-&-tilt	32
Fold-and-slide	34
36	
36 Door hardware	
Concealed door hinge	38
Multi-point locks	40
Accessories	46
Frame parts	48
Access control systems, motors	50
54 Smart Home	

56

SIEGENIA Comfort app



Window hardware

Increased load capacity and greater design freedom in the efficient modular system.

Versatile.

ALU window hardware gives you the perfect building blocks for discerning customers and architecture. This is due in part to the diversity of the products – which range from concealed turn-and-tilt hardware for style-conscious room designs to turn-only hardware for the heaviest weight categories and motorised drive systems – but also to the high quality of the products. All window hardware ranges are certified in accordance with the particularly stringent QM 328 standards and the highest corrosion protection class.

Innovative.

To ensure that ALU remains the best foundation for big ideas in the future, we keep a close eye on the market and its trends. We are constantly working on innovations that also set standards in production – such as the very narrow turning-sash ventilation flap, which offers a whole new range of possibilities for manual ventilation and façade design. We can also develop bespoke solutions for individual buildings and test them thoroughly to ensure they are workable in practice.

Efficient.

The ALU modular system not only makes anything possible – it also makes everything more efficient. Since all window hardware lines differ only in their stays and hinge sides, it is possible to create a vast array of designs using just a few components. This gives you all the options you need for custom scalability at any time, allowing you to tailor your system precisely to your market or to specific project requirements. The modular design of ALU window hardware makes it easy to mix and match hardware, accelerates the ordering process and streamlines warehousing. The high level of pre-assembly and the extensive adjustment options also help to make production efficient.



Bespoke solutions.

Pioneering architecture often poses new challenges for the hardware technology. With over 50 years of experience in residential and commercial buildings, we will also develop special solutions for you.

ALU axxent PLUS

The fully concealed turn-and-tilt hardware for modern room designs.

The ALU axxent PLUS makes it possible to achieve a minimalist window design that meets the highest aesthetic requirements. Very narrow profiles and larger glazes areas are possible because all hardware components are concealed. The high load capacity for sash weights of up to 170 kg provides the safety margin required to ensure a long service life and easy operation, without the need for additional load-bearing rods. The system can also be fabricated very efficiently due to intelligent 3D adjustment and the high level of pre-assembly.

Planning and production

Opening type	DK/D/TBT/DS/K
Window sash width	380-1,600 mm
Window sash height	550-2,000 mm
Max. sash width for French doors	≤ 1,300 mm (≤ 1,400 mm)¹)
Max. sash height for French doors	≤ 2,600 mm (≤ 2,800 mm) ¹⁾
Max. sash weight	170 kg
3D adjustment option	•
Frame groove	10-14 mm
Frame clearance	≥ 10 mm
BS pre-assembled	•
Modular system	•
Quality assurance	QM-328 certified (H3) corrosion class 5

 $^{{\}bf 1}^{)}\, {\rm profile-specific}$

Burglar resistance	up to RC3
Accessibility as per DIN 18040	profile-specific
Motorised drive	DRIVE axxent DK DRIVE axxent

- Fully concealed hinges for a perfect window design
- Very narrow profiles and larger glazed areas possible
- Quick and easy assembly: a small number of clampable compact components with a high level of pre-assembly
- Anti-slam device for the stay in the tilted position
- Large opening angle of 110° in the turning position



ALU axxent PLUS LK

The new hardware solution for very narrow turning-sash ventilation flaps.

With sash widths starting at 170 mm, the ALU axxent PLUS LK hinge side opens up completely new possibilities for manually supplying fresh air while maintaining a perfect façade appearance. Depending on the profile, the fall protection could also be omitted. Panel or glass designs can easily be fabricated in countless variations, saving valuable space in the room. For larger sash heights, an active centre lock is also available, which prevents the sash from warping even when there are significant temperature fluctuations.

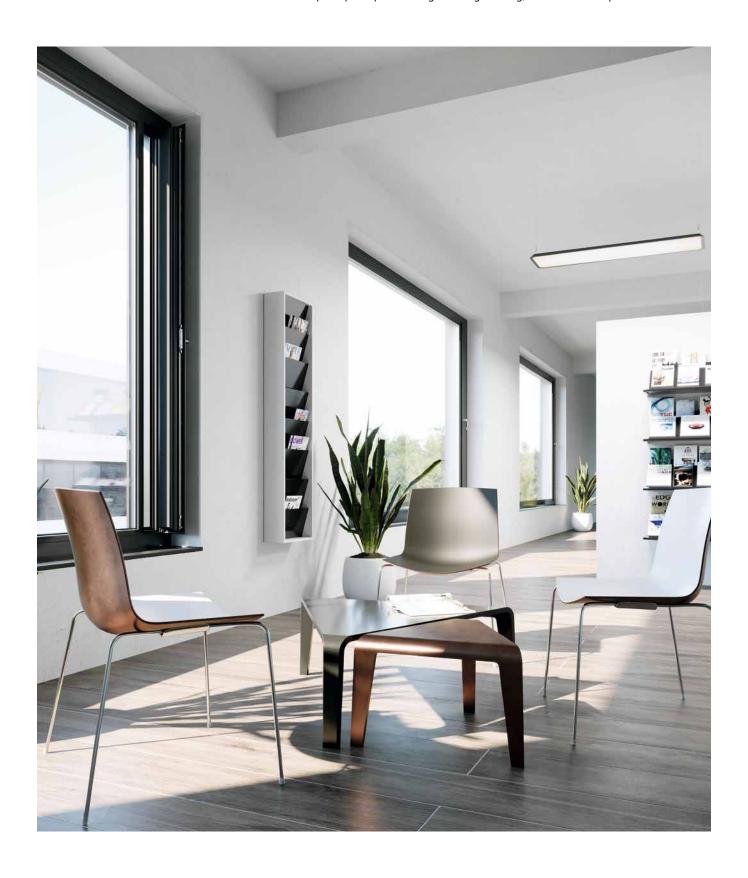
Planning and production

Opening type	D
Window sash width	≥ 170 mm ¹⁾
Window sash height	550-3,000 mm
Max. sash weight	100 kg
3D adjustment option	•
Frame groove	10-14 mm
Frame clearance	≥ 10 mm
BS pre-assembled	•
Modular system	•

 $^{{\}bf 1}^{)}\, profile\text{-specific}$

Burglar resistance	on request
Accessibility as per DIN 18040	profile-specific

- Suitable for extremely narrow turning sashes with a sash width of 170 mm and above
- With the option of an active centre lock for larger sash widths
- Fully concealed hinges: narrower profiles and larger glazed areas
- Extremely diverse designs for panel and glass versions
- Quick fabrication and assembly: continuous height and side adjustment, sash can also be installed on-site
- Load capacity of up to 100 kg for long-lasting, safe window operation



ALU 5200, ALU 5100, ALU 2200

Powerful turn-and-tilt hardware with surface-mounted hinge side for a wide range of requirements.

Thanks to the high level of pre-assembly and the very small number of components, which can also be clamped and used in both left and right-hand configurations, these three turn-and-tilt fittings make for super-efficient fabrication. The ALU 5200 and ALU 5100 hardware ranges can also be tailored with great flexibility to the respective market requirements or specific project criteria, thereby enabling you to optimise your costs: with easy scalability of the load-bearing capacity, resistance class and individual comfort features.

Planning and production

	ALU 5200	ALU 5100	ALU 2200
Opening type	DK/D/TBT/DS/K	DK/D/TBT/DS	DK/D/TBT/DS
Window sash width	365-1,600 mm	375-1,600 mm	375-1,600 mm
Window sash height	550-2,000 mm	550-2,000 mm	550-2,000 mm
Max. sash width for French doors	≤ 1,300 mm (≤ 1,400 mm) ¹⁾	≤ 1,300 mm	≤ 1,300 mm
Max. sash height for French doors	≤ 2,600 mm (≤ 2,800 mm) ¹⁾	≤ 2,400 mm	≤ 2,400 mm
Max. sash weight	170 kg	100 kg	80 kg
Non-handed	•	•	•
3D adjustment option	•	•	•
Frame groove	10-14 mm	10-14 mm	10-14 mm
Frame clearance	≥ 18 mm	≥ 18 mm	≥ 17.5 mm
BS pre-assembled	•	•	•
Modular system	•	•	•
Quality assurance	QM-328 certified (H3) corrosion class 5	QM-328 certified (H2) corrosion class 5	QM-328 certified (H2) corrosion class 5

¹⁾ profile-specific

Burglar resistance	up to RC3	up to RC2	up to RC2
Accessibility as per DIN 18040	•	•	•
Motorised drive	DRIVE axxent DK DRIVE axxent	on request	on request
Colours	Silver	Silver	Silver
	RAL 9005 jet black	RAL 9005 jet black	RAL 9005 jet black
	RAL 9016 traffic white	RAL 9016 traffic white	RAL 9016 traffic white
	Untreated	Untreated	Untreated
	EV1 anodised	EV1 anodised	Special colour
	Special colour	Special colour	

- Quick and easy assembly: a small number of clampable compact components with a high level of pre-assembly
- Left/right-hand use for minimal logistics expenditure
- 3D adjustment for tolerance compensation without problems
- ALU 5200 with flexible, scaleable load capacity: 100, 150 and 170 kg
- ALU 5100 with flexible, scaleable load capacity: 80 and 100 kg







ALU 300 D, ALU 200 DK

Load-bearing capacities for the highest weight classes.

When architecture breaks new ground with increasingly heavy windows, there is no room for compromise when it comes to load capacity and durability. The elegant and powerful ALU 300 D and ALU 200 DK easily meet these requirements, combining outstanding load capacity with exceptional functionality. While the ALU 300 D is specially designed for turning sashes with a sash weight of up to 300 kg due to its additional centre hinge, the ALU 200 DK also provides a very flexible and smooth turn-and-tilt or tilt-before-turn solution for weights of up to 200 kg.

Planning and production

	ALU 300 D	ALU 200 DK
Opening type	D	DK/D/TBT/DS
Window sash width	350 (profile-specific) – 1,800 mm	550-1,800 mm
Window sash height	1,100-2,000 mm	1,100-2,000 mm
Max. sash width for French doors	≤ 1,500 mm	≤ 1,500 mm
Max. sash height for French doors	≤ 3,000 mm	≤ 2,800 mm
Max. sash weight	300 kg	200 kg
3D adjustment option	•	•
Frame groove	10-14 mm	10-14 mm
Frame clearance	≥ 20 mm	≥ 23 mm
Modular system	•	•
Quality assurance	QM-328 certified (H3) corrosion class 5	QM-328 certified (H3) corrosion class 5

Burglar resistance	up to RC3 on request	up to RC3
Accessibility as per DIN 18040	•	_
Colours	Silver RAL 9016 traffic white Untreated EV1 anodised Special colour	Silver RAL 9016 traffic white Untreated Special colour

- ALU 300 D for turn-only windows with a sash weight of up to 300 kg: with additional centre hinge for high compression and stability
- ALU 200 DK for turn-and-tilt and tilt-before-turn windows weighing up to 200 kg: with anti-slam device on the stay for a secure tilt position when exposed to wind loads
- Efficient logistics thanks to a modular system covering all products
- Easily accessible 3D adjustment for straightforward tolerance compensation



Handle range

Combine aesthetics and ergonomics with improved functional reliability and burglar resistance.

ALU GLOBE RR designer handle with ring rosette and routed-in drive gear

Perfect handling, perfect design.

The curved, droplet shape of the handle really sits well in your hand. Together with the discreet ring rosette, it creates a very clear and harmonious finish to a modern window design.

The design handle ALU GLOBE RR can be installed quickly on the ALU routed-in drive gear without any tools. To ensure a smooth initial set-up, this can also be done after all construction work has been completed.



ALU GLOBE and ALU Si-line handles for drive gears

Quality you can feel.

Our ALU GLOBE and ALU Si-line handles for drive gears are available in a wide range of versions and for all opening variants. The design possibilities are practically limitless. In addition to the classic silver tone or the INOX design, they can also be produced in any RAL colour.

A tilt-before-turn function is integrated in the available lockable version as standard.



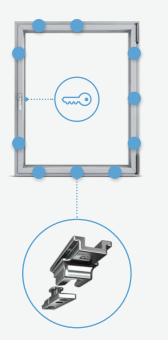
Accessories

For individual security and comfort requirements.

Burglar resistance up to RC3

All-round security and efficiency.

All ALU hardware lines achieve burglar resistance up to RC2 with just a few additional resistant parts. They can also be upgraded easily to achieve burglar resistance up to resistance class RC3 or SKG***. All locking side components for the central locking gear are available as a complete set for turn-only, turn-and-tilt and tilt-before-turn sashes, which can also be extended with centre locks depending on the window format.



Sash lifter

Virtually cancels out the effects of gravity.

The sash lifter lifts the sash a little while closing. This allows even wider window sashes weighing 300 kg to slide smoothly into the frame, even after years of use. The sash lifter can be used on the right or left, is easy to retrofit and is also ideal for double-sash elements.



Opening restrictor

Absorbs the force and gently cushions the sash.

For enhanced ease of use and operating safety, the opening restrictor applies its braking and damping action across the entire opening area. All components are manufactured from rustproof materials, ensuring a surface finish that lasts. The opening restrictor can easily be clamped in the sash and frame groove.



Mishandling device

Reliable protection against incorrect operation.

The ALU complete range offers a number of multifunctional components that also prevent operating errors: the coupling set that can easily be screwed to the handle, the corner drive that can be fixed in the sash groove or the clever routed-in drive gear.

Secondary sash gear and shoot bolt

Universal comfort solution with variable handle position.

This clampable solution, which can be used for a wide variety of profile systems, can be operated manually by means of the shoot bolt or a central secondary sash gear. The shoot bolt, designed for high wind loads up to 3,000 Pascal, can also be coupled and the operating height of the handle can be varied.

Summer-winter night vent

More convenient ventilation with ability to control the tilt opening width.

This enables the tilt opening width to be reduced to 40 mm with one simple motion to conveniently adjust the supply air to match the outdoor climate. This prevents draughts and helps to save energy. The multi-profile solution with integrated anti-slam device is simple to clamp and can be retrofitted at any time.











Motors and monitoring

Make life easy in high-end residential and commercial buildings.



DRIVE axxent DK

Fully concealed tilt-locking drive for tilt and turn-and-tilt windows with maximum comfort.

Whether we are talking about hard-to-reach windows or simply greater room comfort: with the option of fully automatic window ventilation, the value of the property rises together with the quality of life provided by this drive. The DRIVE axxent DK is fully integrated in the frame profile for an evocative design and combines the functions 'tilt', 'lock' and 'release' in a single system. Turn opening is still possible with turn-and-tilt elements: either manually or driven by motor, to clean the window, for example.

Control is by means of a push button, remote control or via the building management system. It can also be operated using the SIEGENIA Comfort app thanks to the optional Wi-Fi module. All information about the SIEGENIA Comfort app can be found from page 54 onwards.

If the window is pushed closed, the Auto Lock function locks the element automatically. The handle is no longer needed.





DRIVE axxent

Concealed motion chain drive for modern skylights.

With its large opening width of 350 mm and flexible control options, the DRIVE axxent allows convenient, effective ventilation by tilting hard-to-reach skylights. Apart from a discreet cover panel, the powerful DRIVE axxent drive is fully concealed and can be used for a wide range of window systems and profiles. As with the DRIVE axxent DK, it can be operated using the SIEGENIA Comfort app.

AEROCONTROL magnetic switch

Opening and locking monitoring system up to VdS class C.

These integrated magnetic switches, which are concealed in the profile, enable windows to be integrated into central monitoring or alarm systems. This makes it possible to check not only whether a window is open, but also whether it has been locked properly. The building management system also makes it possible to connect to thermostatic valves.







Sliding door hardware

Greater simplicity and design freedom in every opening type and weight class.

Versatile.

The true size of a room is measured not in square meters, but in how spacious it looks and how much natural daylight there is. This is where large sliding doors really shine. With PORTAL sliding door hardware, these can be operated safely and effortlessly in any size, opening type and weight class – by pushing a button or using the SIEGENIA Comfort app. In this way, PORTAL allows you to create the perfect space for the future of living and working.

Innovative.

Thanks to the outstanding product quality and innovative additional options, ranging from retrofittable comfort components to motorised drives, PORTAL sliding door hardware can create a sense of lightness and make walls practically "vanish into thin air". Thanks to an opening width up to 12 m and a wide range of different opening types, PORTAL elements adapt perfectly to any space and any project requirement.

Efficient.

PORTAL doesn't just represent more space, easier operation and greater variety – it also offers you the best potential for more streamlined logistics and optimised fabrication. The clever modular system allows you to start being efficient right from the ordering process and ensures tangible time and cost savings throughout the entire production process thanks to the low number of components, the high level of pre-assembly and the flexible adjustment and scaling options.



Large lift-and-slide elements with smart motors.

PORTAL brings more light and ease of movement into clear design concepts. Even sash weights of up to 400 kg can be moved and locked using an app with our drive system.

PORTAL HS ALU

The powerful lift-slide system for greater comfort and larger opening widths.

With an opening width of up to 12 m and a total width of just under 20 m, PORTAL HS ALU brings movement into modern design concepts with ease. After several decades of development, even lift-and-slide elements with a sash weight of 400 kg can be operated extremely conveniently and safely. The innovative upgrade options provide you with all the possibilities for individual scalability, while the low number of components and the high level of pre-assembly accelerate the entire production process.

Planning and production

Opening type	Lift-slide
Max. overall width	19,800 mm (for scheme L)
Sash width	590-3,335 mm
Sash height	1,175-3,325 mm
Max. sash weight	400 kg
Quality assurance	QM-346 certified (H3), corrosion class 5
Schemes	A, C, D, G, E

Achievable resistance class in accordance with EN 1627-1630	up to RC3 (profile-specific)	
Accessibility as per DIN 18040	•	
Night vent	•	
SOFT CLOSE function	•	
Special features	Optional comfort gear with accumulator	
Motorised drive	DRIVE axxent LS	
Opening and locking monitoring system AEROCONTROL	•	
	Large selection of white tones	EV1 anodised
	Silver	EV2 anodised
	Stainless-steel finish	Old gold
Handle types	Titan matt light	Medium bronze
	F9	RAL 8019 grey brown
		RAL 8022 black brown
		RAL 9005 jet black

- Flexibly scalable load capacity up to 200 kg, 300 kg or 400 kg
- Quick and easy assembly: low number of components, high degree of pre-assembly and optimum adjustment opportunities
- Distance pieces for HS 200 bogie wheels for use in broad groove
- Smooth, safe operation and night vent as standard
- High level of basic security as standard, upgradeable up to RC3, depending on profile
- Profile-specific with SOFT CLOSE: cushions the sash and closes it gently
- AEROCONTROL opening and locking monitoring system possible
- DRIVE axxent LS: fully concealed lift-slide drive



Accessories

Elevates comfort to the highest level.

ALU Si-line handle

Quality you can feel instantly.

PORTAL HS handles provide noiseless locking and release, without any play, with outstanding functional reliability that lasts. They are perfectly tailored to the lift-slide hardware and the sash weight and are available in a wide range of colours. There is also the option of painting at a later date for special requests. A wide range of sliding door configurations is possible due to the variety of variants available.

Comfort gear

Minimises the force required for lifting heavy sashes.

For the comfort gear, an accumulator comes preassembled and ready for installation for heavyweight sashes. An integrated concealed special spring uses the weight of the sash to reduce the torque and lift the sash more easily. The handle is prevented from snapping back in an uncontrolled manner when the sash is lowered into the locking position. Depending on the comfort level required, a damper can additionally be used for the comfort gear for sashes weighing approx. 300 kg and above. This will further prevent the handle from snapping back.

SOFT CLOSE compact, SOFT STOP compact

As safe and gentle as a modern kitchen drawer.

A distinction is made between a SOFT CLOSE compact and a SOFT STOP compact, which are used separately or in combination with each other to provide easier operation. While the SOFT CLOSE function brakes the sash during closing and automatically draws it into the locking position, the sash stops just before the locking position with the SOFT STOP function. The sash can then be slid the last few centimetres into the closed position and locked, without applying any extra force.





Motorised drives

Powerful drive systems for more intelligent living.



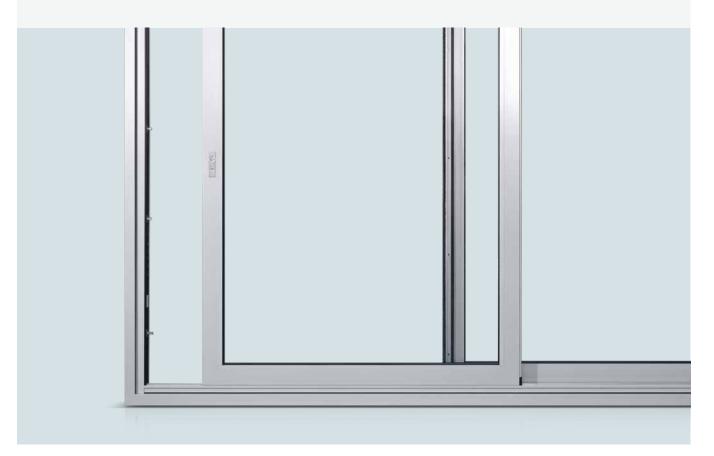
DRIVE axxent HSA smart Maximum ease of use and clear design benefits.

Sashes weighing up to 400 kg can be opened, closed and securely locked fully automatically with this partially concealed drive system, which is scalable to optimise the cost-benefit provides clear design benefits. Thanks ing is also possible with the MHS400 to the Wi-Fi module, which comes integrated as standard, operation it can be operated not just by pushing a button but also using the SIEGENIA Comfort app: with clever additional functions like motorised movement to the night vent position or to a restricted opening width.

MHS400 smart, MSA400 smart

Fully automatic and easy to retrofit.

Sashes weighing up to 400 kg can also be opened and closed automatically via the app or by pressing a button with the lift-slide drive MHS400 smart and the slide drive MSA400 ratio. And the fully concealed lift drive smart. Motorised locking and unlocksmart. As both drive systems function independently of the hardware and profile manufacturer, they can also be retrofitted.



PORTAL ECO SLIDE ALU

More options and cost-effectiveness for sliding doors and sliding windows.

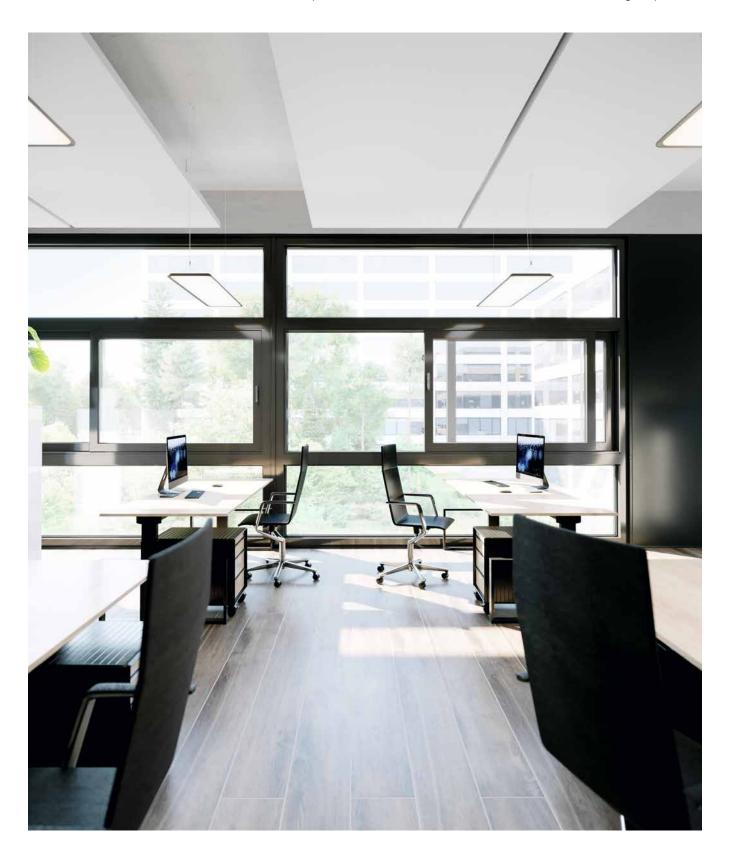
The exceptionally economical and easy-to-install PORTAL ECO SLIDE ALU sliding hardware consistently combines the ease of use of lift-slide systems with the tight seal of parallel-slide-&-tilt systems. The combination of special bogie wheels and innovative guiding and locking elements ensures first-class thermal insulation and intuitive ease of use with night vent function as standard. When used as a window system, the sliding hardware saves a great deal of space in the interior compared to windows that turn inwards.

Planning and production

Opening type	Slide
Max. overall width	10,000 mm (for scheme K)
Sash width	680-2,500 mm
Sash height	1,200-2,500 mm
Max. sash weight	250 kg
Quality assurance	QM-346 certified (H2) Corrosion class 5
Scheme	A

Night vent	•
SOFT CLOSE function	•
Special features	concealed bogie wheels and innovative guiding and locking elements; can be used as sliding window or sliding door
Opening and locking monitoring system AEROCONTROL	•

- Especially cost-effective solution for sliding doors or windows
- Quick and easy assembly: low number of components, high degree of pre-assembly and optimum adjustment opportunities
- High energy efficiency due to continuous seal for high compression, as well as innovative guiding and locking elements in every sash corner
- Intuitive operation: ideal for frequently changing user groups
- Night vent as standard
- Profile-specific with SOFT CLOSE: cushions the sash and closes it gently



PORTAL PS/PSK comfort ALU

Parallel slide and parallel slide & tilt systems for intuitive operation and fabrication.

From its modular system to its operation, the new PS/PSK comfort generation is in a class of its own. The innovative comfort components make the opening and closing process not only extremely safe and easy but also completely intuitive. With an unrivalled smooth and gentle retraction motion and continuous seals to prevent energy loss. The entire hardware concept is just as efficient and flexible. You can upgrade your basic equipment to the highest level of comfort very quickly and with great flexibility, depending on customer requirements, with just a few additional components.

Planning and production

	PORTAL PS comfort ALU	PORTAL PSK comfort ALU	
Opening type	Parallel slide	Parallel slide & tilt	
Max. overall width	8,000 mm (for scheme C/K)	8,000 mm (for scheme C/K) 8,000 mm (for scheme C/K)	
Sash width	670-2,000 mm	670-2,000 mm 670-2,000 mm	
Sash height	840-2,800 mm	840-2,800 mm	
Max. sash weight	200 kg	200 kg (profile-specific)	
Quality assurance	QM-347 certified (H3) Corrosion class 5	QM-347 certified (H3) Corrosion class 5	
Schemes	A, C, G, K	A, C, G, K	

Achievable resistance class in accordance with EN 1627-1630	RC2 (profile-specific)	RC2 (profile-specific)
Night vent	•	_
SOFT CLOSE function	•	•
Special features	Comfort components for intuitive operation	Positive control (version PSK-Z) Comfort components for intuitive operation (version PSK160 comfort)
Opening and locking monitoring system AEROCONTROL	•	•
	Silver	Silver
	Old gold	Old gold
	RAL 8022 black brown	RAL 8022 black brown
Colours	RAL 9003 signal white	RAL 9003 signal white
	F9 colours	F9 colours
	Special colour	Special colour

- Intuitively easy operation: suitable for changing user groups
- Very quiet running motion and smooth action when swinging open and closed
- High energy efficiency due to continuous seal
- Easy scalability due to innovative comfort components
- High level of basic security as standard, easy to upgrade up to RC2
- Simplified assembly: bogie wheels with height and tilt adjustment
- Maximum flexibility: with 125 mm frame-to-sash clearance and small dimensions, making it ideal for extremely narrow or deep-set sash profiles







PORTAL FSPLUS ALU

The fold-and-slide hardware for large opening widths and full flexibility.

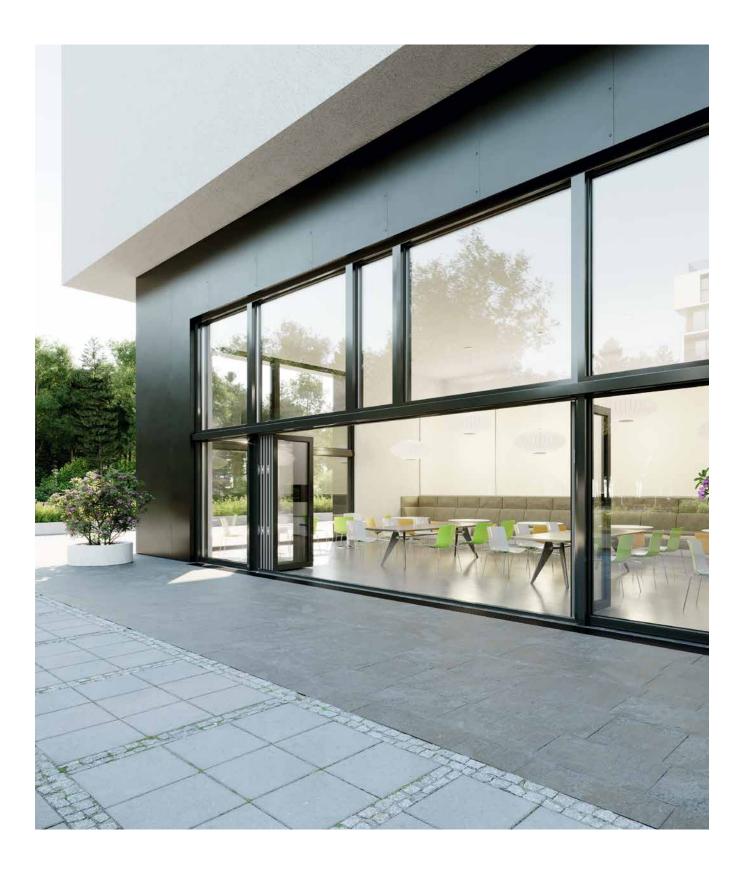
With the PORTAL FSPLUS ALU, fold-and-slide elements with up to seven elements can be folded together easily and can even be used to create an accessible solution. This results in opening widths of up to 6.3 m, great freedom of design and also numerous benefits in fabrication. The hardware covers can be painted in different colours and the high-quality surfaces are also suitable for outside areas. The efficient assembly technology provides more flexibility and cost-effectiveness.

Planning and production

Opening type	Fold and slide
Max. overall width	6,300 mm
Sash width	330-900 mm
Sash height	840-2,400 mm
Max. sash weight	80 kg
Quality assurance	QM-345 certified (H3) Corrosion class 5
Schemes	321, 330, 431, 541, 550, 532, 651, 633, 761, 770, 743

Special features	Turn-and-tilt sash can be integrated, can open inwards and outwards
	Silver
	Medium bronze
	RAL 1011 brown beige
Colours	RAL 8019 grey brown
	RAL 8022 black brown
	RAL 9003 signal white
	RAL 9005 jet black

- Practically unrestricted opening width of up to 6.3 m
- Up to 80 kg sash weight
- Especially smooth sash running: top or bottom, same profile set
- Maintenance-free sash hinges due to PVC bearing
- Available in a highly corrosion-resistant stainless-steel finish
- Turn-and-tilt sash can be integrated
- Barrier-free threshold version is possible





Door hardware

The entire range of modern multi-point locks and intelligent locking systems.

Versatile.

With a variety of solutions ranging from high-quality mortise locks, mechanical and electromechanical multi-point locking systems to digital access control systems and a wide range of options for panic doors, our KFV door hardware not only makes your doors more secure, comfortable and intelligent. They also provide you with all the options you need to develop new markets and to distinguish yourself sustainably.

Innovative.

In the future, room comfort will begin at the door with KFV door hardware. Because it can be combined with an uncompromising resistance strength with intuitive ease of use and an elegant appearance. For example, due to our automatic multi-point locking systems, which are linked to an intelligent access control system as plug & play solutions via the SI-BUS technology. Or due to our fully concealed axxent door hinge for modern aluminium doors.

Efficient.

Thanks to multi-point locking systems with uniform routing templates and product families that can be freely combined, our KFV door hardware has long ensured that we offer a wide range of lean and efficient variants. Our new modular system has consistently extended the proven KFV system benefits and completely redefined the boundaries of modularity. This also brings together the country-specific requirements and customer requirements, while uniform milling dimensions and fixing positions for all multi-point locks and intelligent plug & play solutions accelerate and considerably simplify your production.





Tailor-made efficiency.
Uniform routing templates for different types of locks and freely combinable product families.
Access control systems and motors as clever plug & play solutions.

axxent door hinge

The fully concealed hinge side for modern aluminium doors.

This door hinge combines modern minimalism with maximum efficiency, resulting in a timeless, elegant design and quick and easy assembly. The fully concealed assembly turns aluminium doors into discreet design elements, making it possible to achieve high-end living concepts. As a two-part design, only one person is needed to hang or lift-off the door sash and there is complete freedom for lateral, height and pressure adjustment.

Planning and production

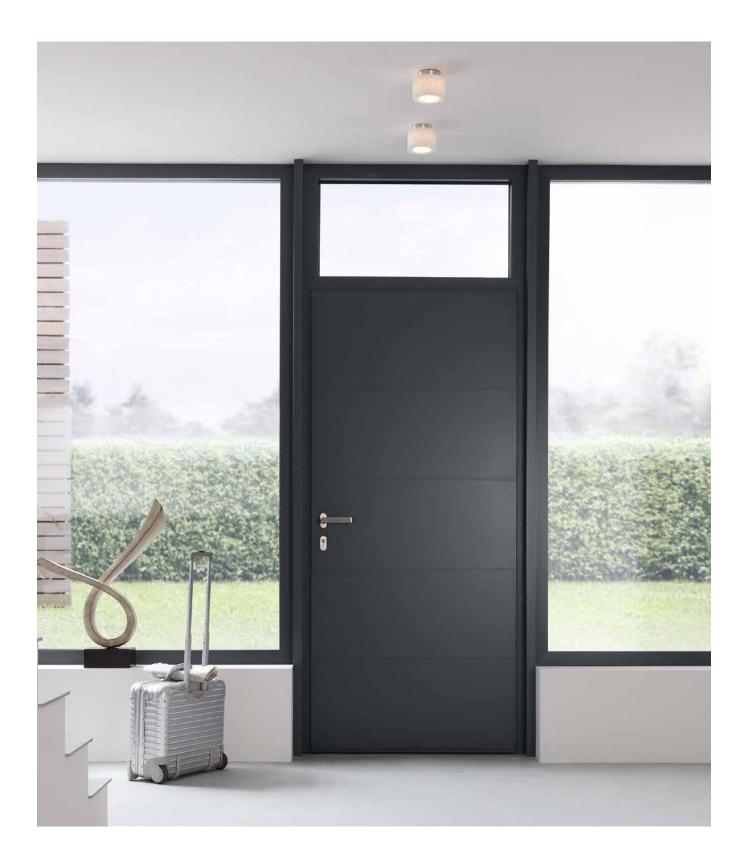
Max. door weight	120 kg	
Max. opening angle	100°	
Height adjustment	+ 4 mm / –2 mm	
Side adjustment	+ 8 mm / -2 mm	
Pressure adjustment	+ 1.5 mm / -1.5 mm	
Quality assurance	QM-343 certified	





Benefits

- Robust technology in an elegant design for aluminium doors up to 120 kg
- Easy installation due to minimal profile milling
- Two-part hinge with frame and sash part, making it possible for only one person to lift the door leaf on or off
- Comfortable 3D adjustment paths for side, height and pressure adjustment
- High compression and energy efficiency due to the lean design



Key-operated KFV multi-point locks

Simply multiple benefits: more efficiency and variety, more security and comfort.

KFV multi-point locks are perfectly coordinated locking systems that meet even the most exacting requirements. In the key-operated variants, multiple, secure locking is accomplished easily with a convenient double-turn of the key via the main lock. Solid steel round bolts, clawing hook bolts or both locking types are used in the auxiliary lock case. Thanks to the fully compatible product programme and uniform routing templates, you can find the perfect solution for any situation – and an extremely efficient one at that.

Planning and production			
	BS 2300	BS 2500	BS 2600
Locking type	Locking part with 2 round bolts	Locking part with 2 hook bolts	Locking part with round bolt-hook bolt combination
Door height can be extended	up to 3,000 mm	up to 3,000 mm	up to 3,000 mm
Latch changeover (DIN right/left adjustable)	•	•	•
Locking rail with Adjustment option +/– 2.5 mm	•	•	•
Individual striker plates with Adjustment option +/- 2.5 mm	•	•	•
Secondary sash lock bolt for double-sash front doors	•	•	•
Quality assurance	DIN. SKG	DIN. SKG	DIN. SKG

Options for greater room comfort

Achievable resistance class in accordance with EN 1627-1630	up to RC2	up to RC3	up to RC3
Main lock: safety class in accordance with DIN 18251	3	3	3
Soft lock latch	•	•	•
Safety lock	•	•	•
Snib latch due to additional component	•	•	•
Day latch	•	•	•
Bolt switch contact control system	_	•	•
Concealed axxent door hinge	•	•	•

Benefits

- Modular structure for more productivity and process reliability
- Uniform routing templates and screwing positions in all variants
- Robust burglar resistance up to RC3 and smooth-running gear
- Optimum sealing and high thermal insulation
- Series BS 2300: steel round bolt with bevelled incline
- Series BS 2500: conical hook bolt
- Series BS 2600: combination of both for maximum security





Automatic KFV multi-point locks

Automatic closing and locking for keyless ease of use and permanent security.

With automatic KFV multi-point locks, doors can be closed or securely locked merely by drawing the door closed. There are different versions for individual requirements and purposes. With its triple self-locking function, the AS 2750 gives long-term protection against door warping and against unauthorised entry attempts, even when unlocked, by pushing the main lock latch back. The auxiliary lock cases can also be locked without a key and automatically. The electromechanical GENIUS multi-point lock, which is equipped with integrated control electronics and a powerful gear motor, additionally locks the main lock and simultaneously provides maximum sealing.

Planning and production			
	AS 2750	BS 3700	AS 2600 GENIUS
Locking type	3-latch lock with 2 hook bolts	Self-adjusting automatic locking mechanism with two locking elements, two hook bolts and main lock bolt	Electromechanical locking part with round bolt-hook bolt combination
Door height can be extended	up to 2,400 mm	up to 3,000 mm	up to 3,000 mm
Latch changeover (DIN right/left adjustable)	•	•	•
Locking rail with Adjustment option +/- 2.5 mm	•	•	•
Locking rail with F-backing with auto-adjustment	-	•	_
Individual striker plates with Adjustment option +/- 2.5 mm	•	•	•
Striker plates with F-backing with auto-adjustment	-	•	_
Secondary sash lock bolt for double-sash front doors	•	•	•
Secondary sash lock bolt with F-backing with auto-adjustment	_	•	_
Quality assurance	DIN, SKG	DIN, SKG	DIN, SKG

Options for greater room comfort

Achievable resistance class in accordance with EN 1627-1630	up to RC3	up to RC3	up to RC3
Main lock: safety class in accordance with DIN 18251	3	_	3
Soft lock latch	•	•	•
Safety lock	•	•	_
Daytime release	_	•	electronically controlled
Snib latch due to additional component	_	_	•
Day latch	•	•	•
Access control systems	_	with A-opener	•
Bolt switch contact control system	•	•	•
Concealed axxent door hinge	•	•	•



AS 2750

With triple self-locking function via the main lock and auxiliary lock latches.



BS 3700

Automatic locking of the locking elements and hook bolts in the auxiliary lock cases and of the main lock bolt in the main lock with deadbolt counterpressure protection by means of the central trigger.

Self-adjusting system even in the event of door warping and/or thermal influences.



AS 2600 GENIUS

Fully motorised locking and release of all locking elements and of the main lock bolt.
With powerful gear motor and integrated control unit for maximum functionality.

Solutions for escape doors and emergency exit doors Reliable systems for single or double-sash escape doors, smoke and fire protection.

All multi-point locks and special locks from the comprehensive KFV panic range provide stringently tested and flexible solutions, which are distinguished by maximum functional security and intuitive operation. As every second counts, not just in an emergency, but also during fabrication, the multi-point locks for all escape door functions are always based on the same main lock families and on auxiliary lock cases with identical dimensions. The DIN direction can be adjusted easily using the latch. The direction of escape can be set on the main lock for locking functions B and D.

Planning and production			
	EP 960	GEP EP 960	
Locking type	Panic locking part in accordance with EN 179 and EN 1125 with round bolthook bolt combination	Electromechanical panic locking part in accordance with EN 179 and EN 1125 with round bolt-hook bolt combination	
Door height can be extended	up to 2,400 mm	up to 2,400 mm	
Latch changeover (DIN right/left adjustable)	•	•	
Locking rail with Adjustment option +/- 2.5 mm	•	•	
Individual striker plates with Adjustment option +/- 2.5 mm	•	•	
Secondary sash lock bolt for double-sash front doors	•	•	
Quality assurance	DIN, CE, SKG	DIN, CE, SKG	

Options for greater room comfort

Achievable resistance class in accordance with EN 1627-1630	up to RC2	up to RC3
Main lock: safety class in accordance with DIN 18251	3	3
Soft lock latch	optional	optional
Snib latch due to additional component	_	•
Access control systems	_	•
Bolt switch contact control system	•	•
Concealed axxent door hinge	•	•



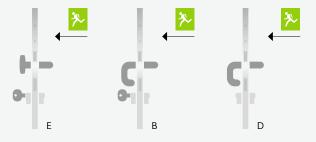
Benefits

- Modular structure with uniform routing templates and screw positions
- Extremely simple assembly due to omission of threaded rods
- DIN direction and escape sides can be individually adjusted
- Diverse backsets and PZ dimensions available
- When the inactive sash of a double-sash escape door is opened, the main sash also automatically unlocks, freeing the entire escape route
- KFV GENIUS PANIC GEP: automatic locking and release for the locking functions B and E possible

Locking functions B, D and E

Locks and multi-point locks for escape doors can be opened in the direction of escape without a key at any time, even when they are locked. After the escape function has been used and the door has been closed, either access in the opposite direction to the direction of escape is blocked or it is possible to escape

back through the door.





Accessories

For individual security and comfort requirements.

TA daytime release

Leave the house without a key.

Practical for all everyday situations when you want to leave the building briefly without a key: simply deactivate the automatic function using the daytime release slider and release the main lock latch on the frame part. The daytime release can also be retrofitted efficiently before the BS 3700 is installed in the door leaf: slide the daytime release in from the front and simply fix in place at the side with a screw.

T4 Safety lock

Additional protection when opening the door by means of a blocking clip integrated in the rebate.

The opening width of the door can be restricted to a secured gap at any time with the safety lock T4. The integrated safety lock can be activated easily with a swivel knob. The main lock can be unlocked from the outside at any time by authorised individuals.





Extension piece

For the extension of key-operated multi-point locks.

The extension piece is suitable for high entrance doors and is available in four different versions: for KFV multi-point locks with round bolts, hook bolts, round bolt-hook bolt combinations or comfort mushroom cams.



Soft lock latch

For whisper-quiet closing comfort without maintenance.

Manual closing comfort isn't just a question of smooth operation; it's also about the acoustics. Due to its abrasion-resistant PVC coating, the soft lock latch reduces the closing noise to a quiet clicking. It also removes the need for any maintenance since it doesn't need to be lubricated. The soft lock latch is already integrated as standard in many multi-point locks.



Frame parts

Maximum solution variety in a modular system.

Individual striker plates

The high-quality solution for all lock designs.

These high-quality individual striker plates provide a visually appealing and universally applicable solution for all locking types with just a single version, which can be optimally fabricated thanks to numerous innovations. With its unique adjustment range of +/- 2.5 mm at a low installation depth, the pressure adjustment with Q-adjustment is the best on the market and offers extremely high compression for protection against strong winds and driving rain. An appealing appearance and easy assembly are ensured by the profiled end caps and the deadbolt backing for the main striker plate, which completely conceals the punched hole and can conveniently be inserted from the front.

Compression control

Optimum compression and exceptional tolerance compensation.

2 Deadbolt backing

Can conveniently be used from the front and is available in various installation depths.

Profiled end cap

For correct positioning and an elegant appearance with various PVC profiles.



Locking rail

More stability and security in a consistently elegant appearance.

This sturdy locking rail, which can be used for different lock versions, increases the security and enables an uninterrupted frame part design. The assembly is improved as only one part is fixed. What's more, you also benefit from all the advantages provided by the individual striker plates.

Secondary sash lock bolt

More comfort and efficiency for high-quality inactive sashes.

KFV secondary sash lock bolts combine security and a clear design with efficient assembly and stock-holding. Comfort is also a top priority here. For example, the T-handle for the BS80 automatically protrudes at the touch of a button, facilitating locking and unlocking. Completely flush when not in use, the system is also easy to clean.





Access control systems

More control and comfort due to intelligent doors.

Access control systems

Innovative ease of use with future-proof SI-BUS technology.

Our digital access control systems combine clever comfort functions with an elegant appearance and the extremely easy fabrication. Due to the SI-BUS interface, all three systems can communicate directly with the drive without an additional control unit. This digitalisation facilitates integration into smart living concepts and allows for future system extensions.

This leaves all options open. Further networking can either be wired via the SI BUS or wireless using Wi-Fi. The complete SI-BUS is secured with 128 Bit AES encryption.



Fingerprint scanner Sensor with touch ID: just put your finger on it.



KeypadEquipped with a single-use and holiday PIN function.



TransponderSupports RFID cards with state-of-the-art encryption and maximum data security.

Benefits

- Modern, uniform design in black and signal grey
- With Wi-Fi and Bluetooth chip as standard
- Control via the SIEGENIA Comfort app is possible
- Online remote access, timer and user administration
- 128 Bit AES encryption and access log
- Administration of up to 200 users or 800 features*
- One-time users and periodic users
- Optional keyless function
- Connection to existing third-party systems is possible



The colour-adjustable LED lighting enables custom colour matching to the front door. The brightness can be controlled manually or automatically via the light sensor.



 $^{^{\}diamond}$ max. number of users is dependent on the type of drives used (A-opener / GENIUS A or B)

10 module, 10 module smart

For universal control and system extension.

IO module

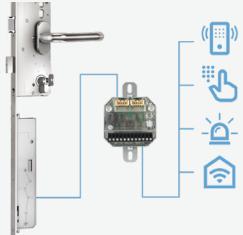
Connect third-party systems with SIEGENIA motors.

The IO module enables the connection of SIEGENIA solutions with existing third-party systems, such as intercom systems. This applies to the SIEGENIA motors for entrance doors. Whether it's detached houses or apartment buildings, hotels or schools, hospitals or office buildings: with GENIUS or the A-opener motor and an IO module, you automatically have more options in every entrance area.

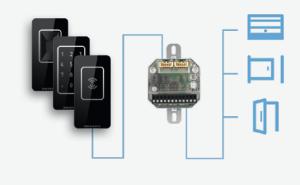
IO module

Connect SIEGENIA access control systems with third-party motors.

With SIEGENIA access control systems, garage door, roller door and motorised door drives or existing multi-point locks can also be controlled. This works using the SIEGENIA IO module, which acts as an interface to flexibly connect drives from other producers with the access control systems.









IO module smart

Operate electromechanical multi-point locks via the SIEGENIA Comfort app.

The IO module can additionally communicate via Wi-Fi. As a result, the GENIUS multi-point lock, the A-opener motor and the DRIVE axxent DK and DRIVE CL tilt-locking drives can be controlled and monitored using the SIEGENIA Comfort app.

IO module smart

Operate third-party drives with the SIEGENIA Comfort app.

The IO module smart provides a universal interface to integrate third-party drives into the smart SIEGENIA world. With the integrated Wi-Fi chip, devices without their own Wi-Fi capability can be quickly and easily integrated into the SIEGENIA Comfort app.







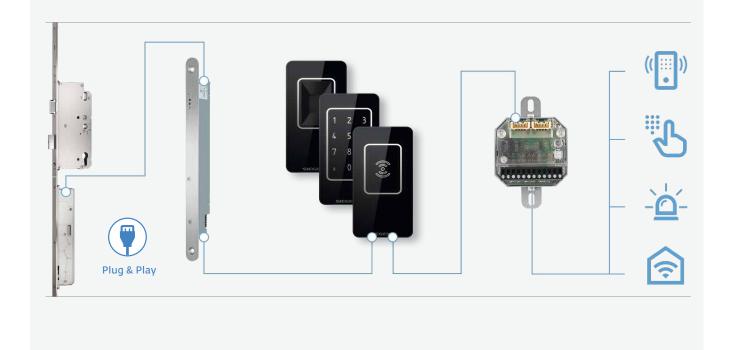
Clever Plug & Play solutions

For easy ordering and quick set-up.

Plug & Play solutions

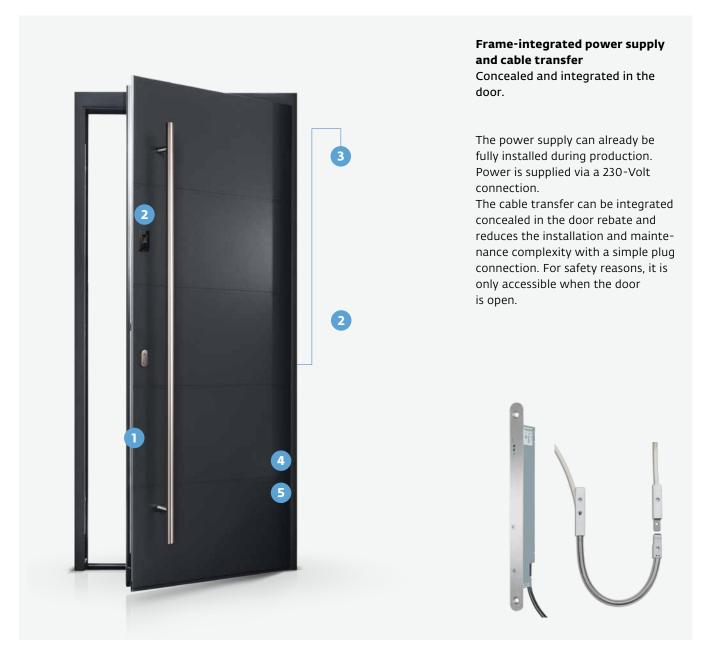
Individual Plug & Play solutions: simply more efficiency.

Simplified product processes from ordering to assembly: a set tailored to individual needs and requirements can be assembled from all the required components in just a few steps. No electrician required for installation. The engaging plug connections are protected against polarity reversal and the solutions can be upgraded easily by means of modular extension kits, for example with an IO module.



Production benefits

- Snap-in plug connections, protected against polarity reversal: no electrician required
- Modular extensions are possible
- Sash-side or frame-side installation of the access control systems possible



Multi-point lock with motor AS 2600 GENIUS 2.2 AS 3600 with A-opener 2.2 motor

system
Fingerprint scanner
Keypad Transponder;
sash-side or frame-side
installation

2 Access control

- 3 Extension
 IO module,
 IO module smart
- Power supplyCable transfer



Smart Home

The smart SIEGENIA world for more intelligent living.



Versatile.

You have more to offer your customers with smart room comfort solutions from SIEGENIA. Because when our smart drive, ventilation and access control systems are combined with the SIEGENIA Comfort app or with each other, that's when they show what they're really made of. Using the app for control and monitoring opens up a whole host of additional comfort and control features, including user management – giving you even more options for a more secure and comfortable home.

Innovative.

This makes it easier for you to attract the target groups of the future: SIEGENIA smart devices can be connected to existing third-party systems with great flexibility. Our new IO modules also provide a solution with an integrated Wi-Fi chip for connecting third-party devices without their own Wi-Fi function to the SIEGENIA Comfort app. As a result, completely new options emerge for extending systems and connection to third-party systems. The same also applies to access to smart devices. With the SIEGENIA Comfort app, you can even do it when you're out and about. Feedback on the device and command status means you have an overview of everything at all times.

Efficient.

In the smart SIEGENIA world, everything is just as easy to assemble and set up as it is to operate – and the same goes for connecting devices to the network. Since the Wi-Fi module is already integrated, connecting the smart devices to the home Wi-Fi network and to a smartphone or tablet is a doddle. It can also be operated as a stand-alone solution if you don't have a Wi-Fi network set up yet. Thanks to efficient plug & play solutions and the SI-BUS interface, which is protected against polarity reversal, assembly is considerably simpler and an electrician is no longer needed for many smart devices.



The smart world of SIEGENIA.

Anyone who puts their faith in room comfort is clever. Anyone who cleverly connects it to the network is smart. With our smart devices and the SIEGENIA Comfort app, it's no problem at all. The new IO modules also make it possible to connect to third-party systems.

SIEGENIA Comfort app

All functions in a single app.



Windows

Automatic fresh air and a secure opening and locking monitoring system.

Window ventilation using SIEGENIA drives can also be provided in automatic mode without any input from a user: with to the timer functions on the SIEGENIA Comfort app or by integration with third-party systems. The window can be locked securely again after ventilation and this can be monitored with the app.

For windows without a drive, opening and locking monitoring can also be achieved using the app by means of wireless window sensors, which can be retrofitted easily at any time.

Front doors

Convenient operation and secure administration of access rights.

Doors with electromechanical multi-point locks can also be operated using the app.

If an access control system is integrated, individual access rights can also be managed conveniently using the app. It is even possible to assign time-limited access rights without any problems. This is helpful if you want to avoid handing over a key, for example.









Locking and release



Auto-lock



Ventilation timer



Monitoring



Locking and release



Keyless function



Administration of up to 200 users



One-time users, periodic users



Timer



Sliding doors

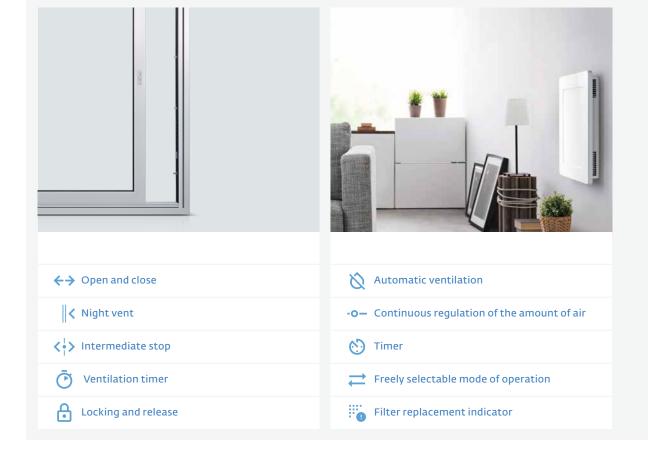
Convenient automation of sliding doors with sashes weighing up to 400 kg.

With the right drive and the SIEGENIA Comfort app, large lift-and-slide elements can be opened and closed or locked and released automatically, as if by magic. The app provides timer functions for this purpose and, as with all SIEGENIA smart devices, an intelligent installation assistant.

Ventilators

Intelligent additional functions for the perfect indoor environment.

Smart SIEGENIA wall-mounted and facade ventilators make it easy to provide an energy-efficient, calm and healthy indoor environment. The app opens up a wide range of additional functions in order to automatically adjust the ventilation mode to the quality of the room air or to your individual requirements.





Head Office: Industriestraße 1–3 57234 Wilnsdorf GERMANY Phone: +49 271 3931-0 Telefax: +49 271 3931-1333

info@siegenia.com www.siegenia.com



You can find address details for our international sites at: www.siegenia.com

SIEGENIA worldwide:

Austria Phone: +43 6225 8301

Benelux Phone: +31 613 143773

China Phone: +86 316 5998198

France Phone: +33 3 89618131

Germany Phone: +49 271 39310

Great Britain Phone: +44 2476 622000

Hungary Phone: +36 76 500810

India Phone: +91 124 4121647 Italy Phone: +39 02 9353601 Poland Phone: +48 77 4477700 Russia Phone: +7 495 7211762 South Korea Phone: +82 15445369 Switzerland Phone: +41 33 3461010 Turkey Phone: +90 216 5934151 Ukraine Phone: +38 050 386 2718

Contact your distributor: