



WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS



FOR TIMBER LIFT&SLIDE ELEMENTS

The future can be this good: HS ePOWER – the Lift&Slide door

Securing technology for you



Effortlessly expand your horizon.

Lift&Slide doors blur the boundary between the inside and outside and therefore convey a sense of distance and freedom. With HS ePOWER we have now also made the Lift&Slide door entirely barrier-free. Our newly developed components guarantee outstanding comfort, including contact-free operation – individual, flexible and reliable.





HS ePOWER product film

HS ePOWER – the Lift&Slide door



Comfortable and barrier-free

The new HS ePOWER makes the Lift&Slide door entirely barrier-free: the sliding sash can be opened and closed by tapping the control element, similar to a smartphone. The GU threshold and roller track which is only 4 mm high ensure a smooth transition between the inside and outside.

The diagram shows a cross-section of a Lift&Slide door system. Callout 3 points to the bottom threshold and roller track. Callout 6 points to the sliding sash. Callout 8 points to the control panel on the door.



Permanent power transmission

The power supply unit, the conductor rail and other current-transmitting components ensure permanent and safe power transmission. This ensures that the sliding sash is also supplied with power in the open position and can thus remain open for an unlimited period of time without any loss of energy.



Design and aesthetics

Without obstructing attachments – only the manual control panel is visible. The three key panels contain self-explanatory symbols and can be operated intuitively. Alternatively, the sliding sash can also be operated via radio remote control for which the data is transferred in encrypted form, thus ensuring a high degree of security. GU group uses exceptionally secure AES 128-bit encryption for this.

The transmitter and receiver communicate using AES-128-bit encryption. If the user sends a signal to the door module via the handheld transmitter, the lock does not open directly but instead sends a reply to the transmitter. The command is only executed following confirmation. This communication method is referred to as "challenge-response" and is doubly secure.



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Simple and safe

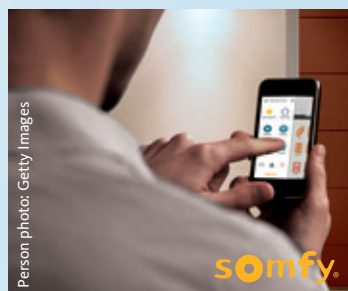
Enjoy the benefits of simple operation, but also feel safe: The HS ePOWER satisfies both requirements. It is equipped with a sensitive control that detects obstacles and reliably prevents jamming.



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Integration in building automation (optional)

The HS ePOWER can be integrated into many different building automation systems, such as somfy, which allows the status of the door to be conveniently monitored via smartphone. The user also has option of attaching a locking monitoring set which includes a green LED that lights up when the door is securely locked.



Person photo: Getty Images

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Effective thermal insulation

Reliable protection against condensation and mould is ensured in combination with the relevant GU threshold, which has outstanding thermal performance and is also impervious to driving rain. Thanks to the high thermal and sound insulation properties, the threshold is approved for installation in passive houses.



HS ePOWER – the Lift&Slide door

Benefits for the user



BENEFITS FOR THE USER

- Fully concealed components to meet design/aesthetic requirements
- High degree of operating comfort, due to automatic opening and closing
- Permanent power supply in any position of the Lift&Slide door – whether closed, moving or in open position
- Remains fully functional in the event of a power failure
- Intuitive operation via three key panels at the operating element, also via optional handheld radio transmitter
- Can be integrated in a building automation system
- Barrier-free according to DIN 18040 with various GU thresholds and barrier-free threshold design in the passage area



HS ePOWER module

Simply select and configure the components from the modular system, based on the sash weight.

You require the following sets:

- 1 "SLIDE" components set
- 2 "LIFT" components set
- 4 "ELECTRONIC" components set

which contain all the required components and accessories. An additional lifting drive **3** is required for sash weights greater than 201 kg, everything else remains the same.

The colour codes and numbers are on the packaging, which makes it very easy for you to assign the components.

"SLIDE" components				
Set	Contents	200 kg	300 kg	400 kg
	"SLIDE" components set	1x	1x	1x
	9 Sliding drive and accessories			
"LIFT" components				
Set	Contents	200 kg	300 kg	400 kg
	"LIFT" components set	1x	1x	1x
	3 Lifting drive		1 x additional	1 x additional
	7 Battery package			
"ELECTRONIC" components				
Set	Contents	200 kg	300 kg	400 kg
	"ELECTRONIC" components set	1x	1x	1x
	5 Cable set			
	8 Control panel / control unit			
	6 Mains adaptor / power supply unit			

TECHNICAL DETAILS

- The HS ePOWER can be installed in any Lift&Slide system
 - with bogie GU-934
 - with sash thicknesses from 78 mm
 - with roller track 4 mm
 - with sash weights up to 400 kg
 - pattern A with sliding sashes on the inside
- The HS ePOWER can be combined with every GU threshold
- Sash height up to 3,088 mm
- Sash width up to 3,300 mm
- Pre-assembled, plug-in modules allow the assembly to be carried out quickly, easily and safely according to the plug-and-play principle and the door can be commissioned immediately
- Optional extensions:
 - Locking monitoring set
 - Radio remote control
 - Status request via smartphone or somfy

HS ePOWER – the Lift&Slide door

Technical documentation / Order information



Technical documentation

HS ePOWER	
Drawing number	Designation
0-48567	Installation drawing
0-49119	Installation instructions
0-48062	Brief commissioning instructions*
0-49117	Commissioning instructions*
0-49118	Operating instructions*
0-49116	Maintenance specifications

*Included in the scope of delivery.

HS ePOWER	
Order number	Designation
B-55281-02-0-9	Instructions for handheld radio transmitter*
B-55281-05-1-9	Instructions for radio transmitter*
B-55280-03-0-6	Instructions for radio receiver*

*Included in the scope of delivery.

Standard hardware combination

Lift&Slide hardware and threshold

Order your standard hardware set.

Exception: the standard Lift&Slide gear is replaced with the HS ePOWER Lift&Slide gear.

For the corresponding order information, please see our order catalogue:



Lift&Slide hardware
for timber elements
(WP00070)



HS ePOWER hardware combination

In addition to the standard hardware set, order the following components.

HS ePOWER packers for L&S bogie GU-934

Pattern A	Designation	SW [kg]	Finish	PU	Order no.
1	HS ePOWER packers for L&S bogie GU-934	200-400	EV 1 / light grey	1	K-19542-05-0-1
Contains: 4 x packers (front/rear bogie), 1 x corner sealing channel					
Pattern A	Designation	SW [kg]	Finish	PU	Order no.
1	HS ePOWER packers for L&S tandem bogie GU-934	301-400	EV 1 / light grey	1	K-19543-08-0-1
Contains: 4 x packers (rear bogie)					

HS ePOWER Lift&Slide gear 37.5 mm backset

Pattern A	Designation	SH [mm]	Handle height [mm]	Finish	PU	Order no.
1	HS ePOWER Lift&Slide gear 37.5 mm backset	2215.5-2688	1000	EV 1 / light grey	1	6-38822-24-0-1
				UC 5 / dark bronze	1	6-38822-24-0-5
		2465.5-3088	1000	EV 1 / light grey	1	6-38822-28-0-1
				UC 5 / dark bronze	1	6-38822-28-0-5
		1840-3088	1000	EV 1 / light grey	1	6-38822-44-0-1
				UC 5 / dark bronze	1	6-38822-44-0-5

HS ePOWER sliding drive + accessories

Pattern A	Designation	Modular system no.	Finish	PU	Order no.
1	HS ePOWER sliding drive + accessories		EV 1 / light grey	1	K-20400-00-0-1
Contains: 1 x sliding drive set, 1 x magnet set, 1 x cable routing set, 1 x toothed belt, 1 x service handle, 1 x HS cover, documentation					

HS ePOWER lifting drive + batteries

Pattern A	Designation	SW [kg]	Modular system no.	Finish	PU	Order no.
1	HS ePOWER lifting drive + batteries	200-400		EV 1 / light grey	1	K-19288-00-0-1
Contains: 1 x lifting drive set, 1 x set of batteries						
Pattern A	Designation	SW [kg]	Modular system no.	Finish	PU	Order no.
1	HS ePOWER lifting drive	301-400		EV 1 / light grey	1	K-19186-00-0-1
Contains: 1 x lifting drive (complete), 1 x set of set screws						

HS ePOWER control unit

Pattern A	Designation	Modular system no.	Finish	PU	Order no.
1	HS ePOWER control unit		-	1	K-20391-00-0-8
Contains: 1 x set of control components, 1 x wiring harness set, 1 x power supply unit net					

HS ePOWER – the Lift&Slide door

Order information



HS ePOWER guide tracks + gasket profiles

Pattern A	Designation	TFW [mm]	Finish	PU	Order no.
1	HS ePOWER guide tracks + gasket profiles	4000	EV 1 / light grey	1	K-20535-40-0-1
			black	1	K-20535-40-0-6
		6700	EV 1 / light grey	1	K-20535-67-0-1
			black	1	K-20535-67-0-6

Contains: 1 x HS ePOWER conductor rail (frame), 1 x guide track (sash), 3 x gasket profile, 1 x cover profile

HS ePOWER accessories for conductor rail

4 mm roller track

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER accessories for conductor rail – 4 mm roller track	EV 1 / light grey	1	K-20534-05-0-1
		black	1	K-20534-05-0-6

Contains: 1 x HS ePOWER guide track, 1 x filler piece top, 1 x filler piece bottom (for RT P 2209 bb), 2 x guide, 2 x rubber seal, 1 x PC screw-hole cover cap

Reinforcement profile/reinforcement rail

Pattern A	Designation	Length [mm]	Finish	PU	Order no.
1	Reinforcement profile P2136	2000	–	1	P-02136-20-0-0
		3300	–	1	P-02136-33-0-0
1	Reinforcement rail for meeting stile P 2137	2500	–	1	9-50450-25-0-0
		3300	–	1	9-50450-33-0-0

Bridging gasket

Pattern A	Designation	Finish	PU	Order no.
1	Bridging gasket, top [1]	–	1	6-22154-46-0-0

[1] Deviations possible depending on the profile. You can find the right bridging gasket for your profile system in our order catalogue.

HS ePOWER control panel cover (please select)

Pattern A	Designation	GU logo	Finish	PU	Order no.
1	HS ePOWER cover DIRIGENT	yes	EV 1 / light grey	1	9-49936-01-0-1
			white	1	9-49936-01-0-7
			stainless steel	1	9-51229-01-0-8
		no	EV 1 / light grey	1	9-49936-11-0-1
			white	1	9-49936-11-0-7
			stainless steel	1	9-51229-11-0-8
1	HS ePOWER cover RONDO	yes	white	1	K-19335-01-0-7
			stainless steel	1	K-19335-01-0-8
		no	white	1	K-19335-11-0-7
			stainless steel	1	K-19335-11-0-8

Contains: 1 x HS ePOWER cover RONDO, 2 x spacer

Optional: Handheld radio transmitter / radio transmitter / radio receiver

Pattern A	Designation	Finish	PU	Order no.
1	Handheld radio transmitter, 4 buttons	–	1	B-55281-02-0-9
1	Radio transmitter, 2 in-wall inputs, DEADMAN	–	1	B-55281-05-1-9
1	Radio receiver, 2 outputs, DEADMAN	–	1	B-55280-03-0-6

Note: simultaneous operation, in other words opening and closing two or more systems at the same time is not possible with one or more handheld radio transmitters.



Required installation tools

HS ePOWER installation kit

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER installation kit	-	1	K-19777-00-0-1

Contains: 1 x set of open-ended spanners, 1 x charger set

HS ePOWER drilling templates

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER drilling templates	-	1	K-19843-00-0-1

Contains: 2 x drilling template

Mounting tools

Open-end spanner size 19

Pattern A	Designation	Finish	PU	Order no.
1	Open-end spanner size 19, angled	-	1	K-19527-00-0-1

Contains: 1x open-end spanner

Spare parts

HS ePOWER toothed belt

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER toothed belt	-	1	K-19791-01-0-7

Contains: 1 x toothed belt (L = 3700 mm)

HS ePOWER replacement batteries

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER replacement batteries	-	1	K-19793-01-0-1

Contains: 2 x replacement batteries (2,3 Ah), 2 x cable ties

HS ePOWER slide block + belt fasteners

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER slide block + belt fasteners	-	1	K-20395-00-0-1

Contains: 1 x slide block complete, 1 x belt fastener (left-hand hinged), 1 x belt fastener (right-hand hinged)

GU of course also offers support with commissioning and maintenance, which you can request from GU-Service GmbH:

Tel. +49 5244 9075-585
E-mail info@gu-service.de



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