

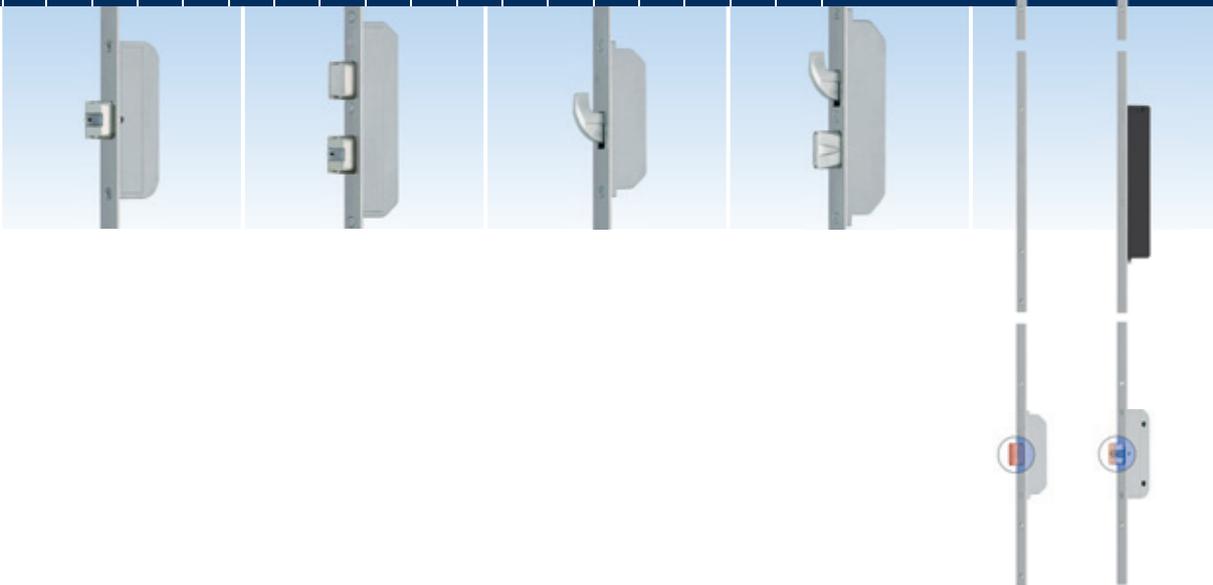


WINDOW TECHNOLOGY  
DOOR TECHNOLOGY  
AUTOMATIC ENTRANCE SYSTEMS  
BUILDING MANAGEMENT SYSTEMS



DOOR TECHNOLOGY

## GU-SECURITY multi-point locks



Securing technology for you



# GU-SECURY multi-point locks



## Individual security systems for individual door situations

### Gretsch-Unitas system solutions

In 1979, Gretsch-Unitas presented the GU-SECURY multi-point locking system with roller cams for doors at the Deubau Trade Fair in Essen and launched it on the market. In the years that followed the versions with pin bolt and SH bolt were developed. In 1996, with GU-SECURY Automatic, the success story of the first self-locking multi-point locking system for doors began and has continued up to the present day.

### Innovative prowess and know-how

The purpose of escape and rescue routes is to protect and save human life. The stringent requirements in relation to functionality and safety require an intelligent combination of mechanics and electronics. The locks and hardware for emergency exits and panic doors manufactured by the group fully satisfy all requirements for reliable operation in emergencies.

### Service and software

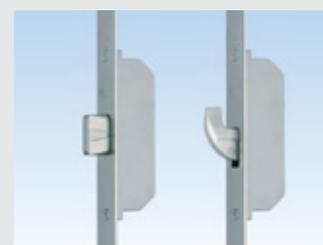
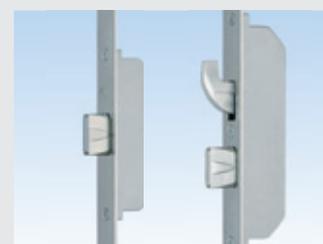
The CIS – Customer Information System is a web-based ordering and information system spanning all divisions of the group. Here the customer will find, in addition to pure order handling, useful information relating to the articles.

Hardware sets for doors are easy to find and order online using the product configurator.

### Certification and security

Furthermore, Gretsch-Unitas offers customers services such as the right to use the RC test statement, or CE certification following the conformity assessment procedure Cascading ITT. This whole range of customer-orientated services, in collaboration with our partners, ensures security, transparency and confidence in keeping with the basic principle "Leading with systematic approach".

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# System solutions

## GU-SECURITY multi-point locks



### General information

Doors present special challenges with regard to burglar resistance, fire protection, impermeability and accessibility. With Gretschn-Unitas multi-point locks you meet these demands exactly: with additional locking elements at the top and bottom area of the door and individual solutions for any installation situation. These range from the manual version for main entrance doors through to the self-locking system with panic function for fire-rated underground garage doors. The products of the group provide tailor-made solutions for the entire range of applications.

### Door technology for comfortable and secure door functions

The Gretschn-Unitas group offers everything that ensures the smooth and trouble-free interplay between functional components: a broad selection of products, technical innovations, excellent quality and comprehensive services. This also of course includes competent, technical advice – simply get in touch with us!

Multi-point locks by Gretschn-Unitas are synonymous with multiple security! Installing "security" on exterior doors or interior doors and facade doors is very simple: with GU-SECURITY multi-point door locks you receive a security system customised to your individual entrance situation, regardless of whether it is for a timber, steel, aluminium or PVC door.

## System solutions for a wide range of demands

### For timber, PVC, aluminium and steel doors

With GU-SECURITY multi-point locks you build on perfectly-harmonised solutions for different areas of application:

- Comes in all standard hole distances, backsets and lock faceplate versions
- With different accessories on the frame side, such as continuous one-piece strikers
- With fire-retardant characteristics for fire rated doors and smoke protection doors as well as escape doors
- Available in the various surface finishes ferGUard\*silver, Niro and other alternatives

You will be sure to find a reliable solution to match your requirements here!

### Tender specifications

You can find the Gretsch-Unitas tender specification manager at [www.g-u.com](http://www.g-u.com). It contains the following product ranges:

- GU-SECURITY multi-point locks for timber, PVC, aluminium and steel doors
- Electric door strike series
- SECUREconnect wireless power and data transmission
- Cable links
- Thresholds
- Door closers and much more.

Product overview GU-SECURITY multi-point lock				
Application	Self-locking locks	Key-operated locks	Lever-operated locks	Panic exit devices *
	for timber, PVC, aluminium and steel doors			
1-leaf doors	■	■	■	■
2-leaf doors	■	■	■	■
Tested to DIN 18251, part 3	■	■	■	■
RC tested (in combination with the door) in accordance with DIN EN 1627-1630	■	■	■	■
Approved in accordance with DIN EN 179 and DIN EN 1125	■			■
No need to lock door manually (self-locking)	■			■
Fire and smoke protection approval to DIN 18250	■	■		■
VDS approval	Class A, B			
Panic functions	E			B, C, E
External lever, electrically coupled (EK)				■
A-opener (motor-driven)	■			■
Monitoring contacts (e.g. latchbolt monitoring)	■	■	■	■
Backset [mm]	33-90	25-90	25-65	35-80

\* see brochure WP00330-2-2 Mechanical and mechatronical mortise locks and multi-point locks

### GU-SECURITY multi-point lock

- 
- 1 Additional locking**  
Version depends on locking system
  - 2 Safe-T-catch**  
Built-in door catch mechanism, easily operated from the inside via thumbturn; can be released from the outside via cylinder
  - 3 Latch**  
Non-handed. Variant for fire protection doors available as an option
  - 4 Deadbolt**  
2-turn with a total deadbolt throw of 20 mm or 1-turn with 20 mm deadbolt throw, depending on the locking system
  - 5 Follower**  
Receives the spindle of the lever handle without any play and provides for reliable lock operation. Variant for fire protection doors available as an option
  - 6 Cylinder bore**  
For profile cylinder or round cylinder Ø 22 mm
  - 7 Lock case**  
Fully enclosed for optimum protection of the interior functional components. With fixing holes for backplate or round rosette
  - 8 Faceplate**  
ferGUard galvanised, painted or stainless steel
  - 9 A-opener**  
Facilitates motor-driven opening of the door with the GU-SECURITY Automatic multi-point locking systems
- Backset
- Hole distance

# Self-locking locking systems

Individual solutions with GU-SECURY Automatic



## "Insured with the door just pulled shut!"

Why not combine security with comfort? The mechanical self-locking locking systems by Gretsch-Unitas dispense with the need to actuate the central deadbolt by key. Whether for fire protection doors, panic doors, or applications in a private home – these systems provide a comfortable solution everywhere.



Automatic multi-point locking:  
GU-SECURY Automatic – the lock with the click

### ■ Automatic latchbolt

The convenient locking system GU-SECURY Automatic, e.g. for house and apartment doors. Simply allow the door to fall shut: as soon as the door is shut, the automatic latchbolts automatically throw 20 mm and are secured to prevent them being forced back – the door is locked when just pulled shut. These locking systems can be opened at any time via the lever handle from the inside and by key from the outside.

### ■ Automatic latchbolt and daytime release function

You want your front door to be freely accessible by day? The GU-SECURY Automatic<sup>TE</sup> system enables you to manually override the automatic locking function so the door is released during the day. For a functional description go to [www.tagesentriegelung.de](http://www.tagesentriegelung.de) (see page 20).

Additional lock ▼

Lock case ▼



■ **Automatic double latchbolt**

The particularly robust, self-locking system GU-SECURITY Automatic 4, e.g. for house and apartment doors. Two MR bolts and two automatic latchbolts automatically throw 20 mm when the door is pulled shut and are secured against being forced back.

Additional lock ▼



Lock case ▼



■ **Automatic bolt**

GU-SECURITY Automatic AB2 for all apartment entrance doors with steel frame profiles. As soon as the door is pulled shut, two Automatic pin bolts automatically throw 20 mm into steel bushes where they are secured against being pushed back by force.



■ **Automatic-Panic**

(with panic function E for single leaf door systems)

The GU-SECURITY Automatic version is the ideal solution for highly sophisticated timber and steel doors which have to meet the highest demands in terms of burglar protection, fire protection and escape door suitability; tested to DIN EN 179 and 1125. More panic functions can be found in the brochure WP00330-00-2-2 "Mechanical and mechatronic mortise locks and multi-point locks".



■ **A-opener kits**

By installing the optional A-opener with the GU-SECURITY Automatic multi-point locking systems, the Automatic deadbolting latches can be retracted via a motor. This is effected (for example) via a main entrance door intercom or access control systems (see pages 20/21). New: the motor of the A-opener servo is activated upon a minimal turn of the key or a slight tap on the lever handle.



A-opener



A-opener servo

# Self-locking locking systems

The GU-SECURY Automatic range



## Automatically locked!

GU-SECURY Automatic provides automatic security: Simply close the door - without locking it, the door is multi-point locked with the automatic latchbolts throwing 20 mm.

The Automatic latchbolts or Automatic pin bolts (GU-SECURY AutomaticAB2 for steel frames) are secured against being forced back.

From outside, the release of the door pulled shut is effected by a turn of the key, from inside via the lever handle.

GU-SECURY Automatic comes with all standard distances, backsets, faceplates and followers for timber, PVC, aluminium and steel doors.

### Multi-point locks

Application	GU-SECURY Automatic	GU-SECURY Automatic3	GU-SECURY Automatic4	GU-SECURY Automatic6	GU-SECURY AutomaticAB2
Suitability for smoke and fire doors	■	■	■	■	
VdS approval grade A	■	■			
VdS approval grade B			■	■	
<b>Features</b>					
Automatic latchbolt	■	■			
Automatic pin bolt					■
Automatic double latchbolt			■	■	
Safe-T-catch function	■	■			■
Panic function E	■		■		
Daytime release function	■	■	■	■	
A-opener (optional)	■	■	■	■	■
<b>Technical data</b>					
Backset [mm]	33 – 90	33 – 80	33 – 80	33 – 80	55 – 80
Hole distance [mm]	70 – 94	70 – 94	70 – 94	70 – 94	72

## The programme

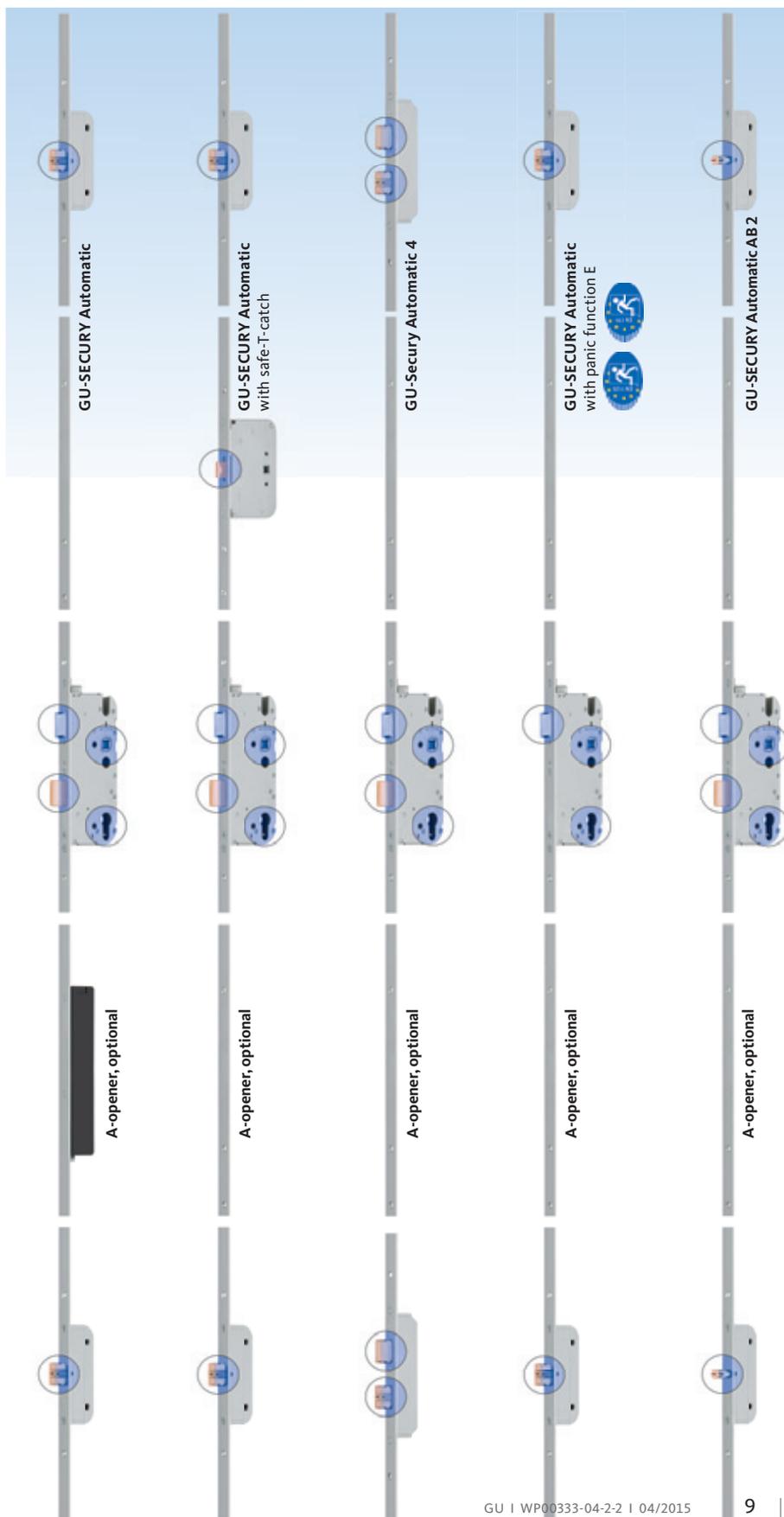
- **GU-SECURITY Automatic**
- **GU-SECURITY Automatic with safe-T-catch**
- **GU-SECURITY AUTOMATIC 3**
- **GU-SECURITY AUTOMATIC 4**
- **GU-SECURITY AUTOMATIC 6**
- **GU-SECURITY Automatic with panic function E**
- **GU-SECURITY Automatic AB 2**

## System benefits

- Increased burglar protection
- Insurance protection with self-locking locks: the door is always locked!
- Thanks to the reversible latches and latchbolts, the door locks are non-handed
- Extensive range of GU-SECURITY accessories
- Latchbolts secured against being forced back
- Also available for "barrier-free construction" to DIN 18040
- Panic function: panic function E, designed for use with hardware for locking systems to DIN EN 179 and DIN EN 1125
- Functionally reliable without freewheel cylinder: any customary profile cylinder can be used with GU-SECURITY Automatic!

**RC-tested to DIN EN 1627 – 1630** **Burglar resistance**  
 Tested and certified for various resistance classes to meet individual security demands

**VdS** **Damage prevention**  
 Valued and approved by the German Association of Non-Life Insurers (VdS) according to individual directives for the prevention of loss



# Manual-locking locking systems

Individual solutions with key- or lever-operated multi-point locks



## Solidly locked!

Security with manual locking systems from Gretsch-Unitas: We offer you a broad selection of manual solutions meeting all kinds of requirements such as burglar protection, fire protection, or tightness.

## Key-operated systems

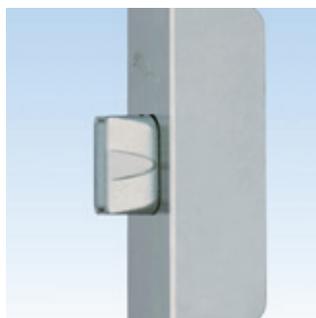
### ■ Massive bolt (MR)

The GU-SECURITY MR system provides you with a multi-point lock which is protected from being sawn through or forced back – with two or four MR bolts depending on the requirements. Owing to the lock geometry, the same frame locking components used with the GU-SECURITY Automatic system can also be used here.

### ■ Hook bolt (SH)

Securely locked with SH bolts. The GU-SECURITY SH system provides you with a multi-point locking system which is saw-through proof and hooks in behind the shoot bolt striker – it comes with either two or four SH bolts that move upwards when locked. This arrangement prevents the SH bolt from coming down on the striker if the door is lowered.

Additional lock ▼



Lock case ▼



■ **Double bolt (DR)**

The GU-SECURITY DR multi-point lock rolls the benefits of the SH bolt and MR bolt into one double bolt. The lock geometry allows the same frame locking elements used with the GU-SECURITY Automatic 4 system (with Automatic double latchbolt) to be used.

Additional lock ▼



Lock case ▼



■ **Roller cam (R)**

The GU-SECURITY with roller cams (also in combination with mushroom cams) rounds off the GU-SECURITY standard range. The MR/R (MR bolts combined with roller cams) and SH/R (SH bolts combined with roller cams) versions are also available.



**Lever-operated systems**

■ **GU-SECURITY EUROPA**

The ideal lock series, if you like to have a locking system with a lever handle on the outside instead of a fixed knob. GU-SECURITY EUROPA offers you many variants. Locking is done by moving the lever handle upward and not via the key. Whether MR bolts, SH bolts, or roller cams – the choice is yours.



Versatile solutions for a wide range of applications: you can choose between the lock variants MR bolt, SH bolt, roller cam or a combination of these – depending on the particular installation situation and the type of profile. Whether key-operated or lever-operated, the group offers a multitude of locking combinations in either version.

# Manual-locking locking systems

Key-operated multi-point locks



## GU-SECURITY

The group offers an extended programme of manual multi-point door locks for house, apartment and secondary entrance doors of timber, PVC, aluminium and steel.

GU-SECURITY is available with 2 or 4 additional locking elements. As a result, the door can be locked at 3 or 5 points across its entire height.

The MR bolt and SH bolt are tough customers: a hardened steel insert means they cannot be sawn through.

### Multi-point locks

Application	GU-SECURITY MR2, MR4	GU-SECURITY SH2, SH4	GU-SECURITY DR	GU-SECURITY R4
Suitability for smoke and fire doors	■	■	■	
<b>Features</b>				
Double bolt (DR)			■	
Hook bolt (SH)		■		
Massive bolt (MR)	■			
Mushroom/roller cams (P/R)				■
Safe-T-catch function	■	■	■	
Key-operated	■	■	■	■
<b>Technical data</b>				
Backset [mm]	25 – 90	25 – 90	25 – 90	25 – 90
Hole distance [mm]	70 – 94	70 – 94	70 – 94	70 – 94

## The programme

### GU-SECURITY MR 2, MR 4

(massive bolts): MR/R version also available  
(combination with roller cams)

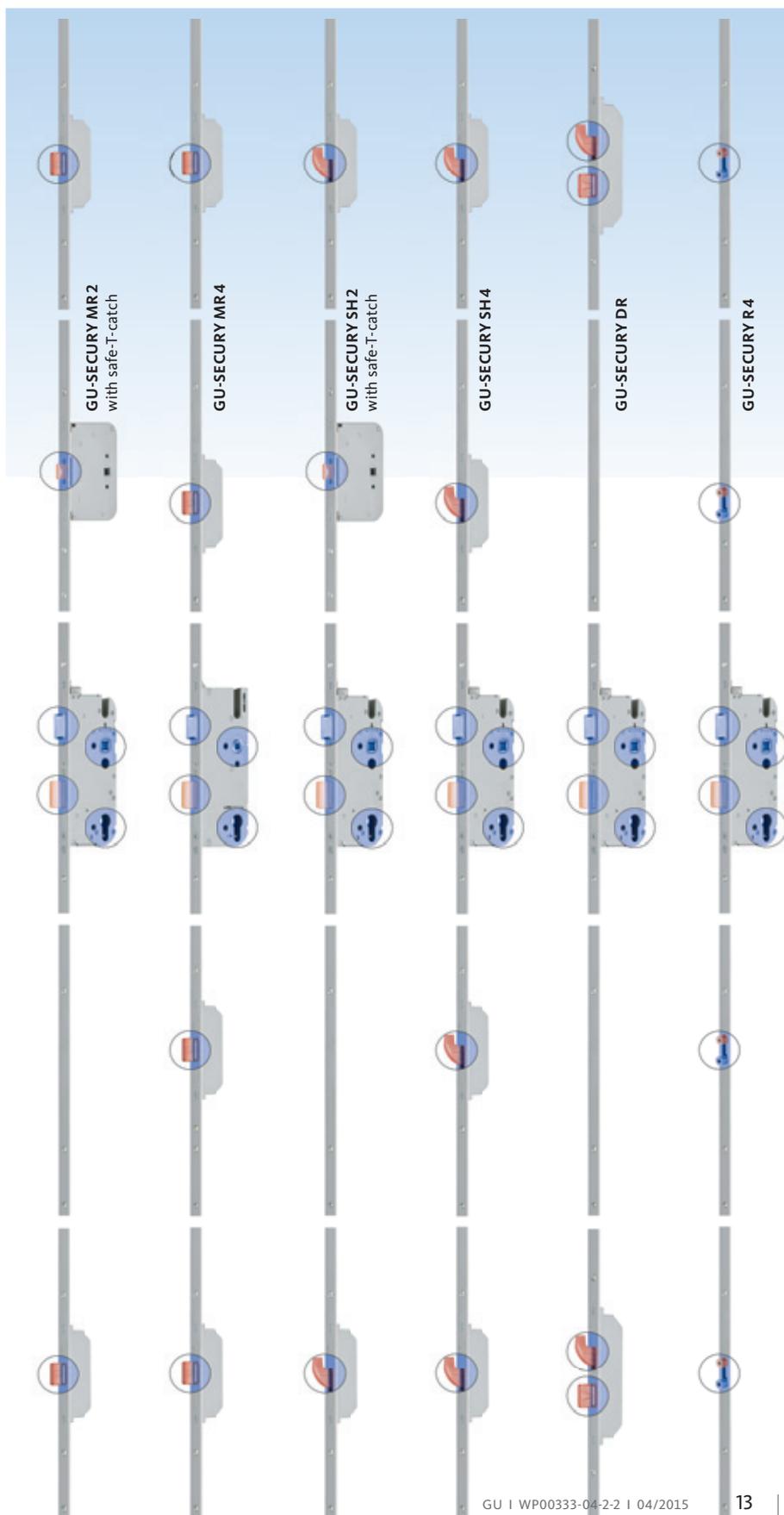
■ **GU-SECURITY SH 2, SH 4** (hook bolts):  
SH/R version also available  
(combination with roller cams).

■ **GU-SECURITY DR** (DR double bolt)

■ **GU-SECURITY R 4** (4 adjustable R roller  
cams): P/R version also available  
(combination with mushroom cams).

## System benefits

- Increased burglar protection
- Reversible latch: The locks are useable for both DIN left and DIN right
- Extensive range of GU-SECURITY accessories
- Levering the door out is efficiently hampered as the SH bolts hook into the accessories on the frame side
- Five locking points in a combination of MR bolts and SH bolts ensure the door is securely locked at the double bolt
- The adjustable roller cam with the MR/R, SH/R and R4 versions optimise the door contact pressure in the upper and lower section of the door and ensure a high gasket pressure and tightness



RC-tested to DIN EN 1627 – 1630 **Burglar resistance**  
Tested and certified for various resistance classes to meet individual security demands

# Manual-locking locking systems

## Lever-operated multi-point locks



### GU-SECURITY EUROPA

The lever-operated lock series GU-SECURITY EUROPA is available with additional locking elements or in combination with roller cams. As a result, the door can be locked at 3 or 5 points across its entire height.

The MR bolt and SH bolt are tough customers: a hardened steel insert means they cannot be sawn through.

GU-SECURITY EUROPA is available with all standard centres, backsets, faceplate and followers for timber, PVC, aluminium and steel doors.

#### Multi-point locks

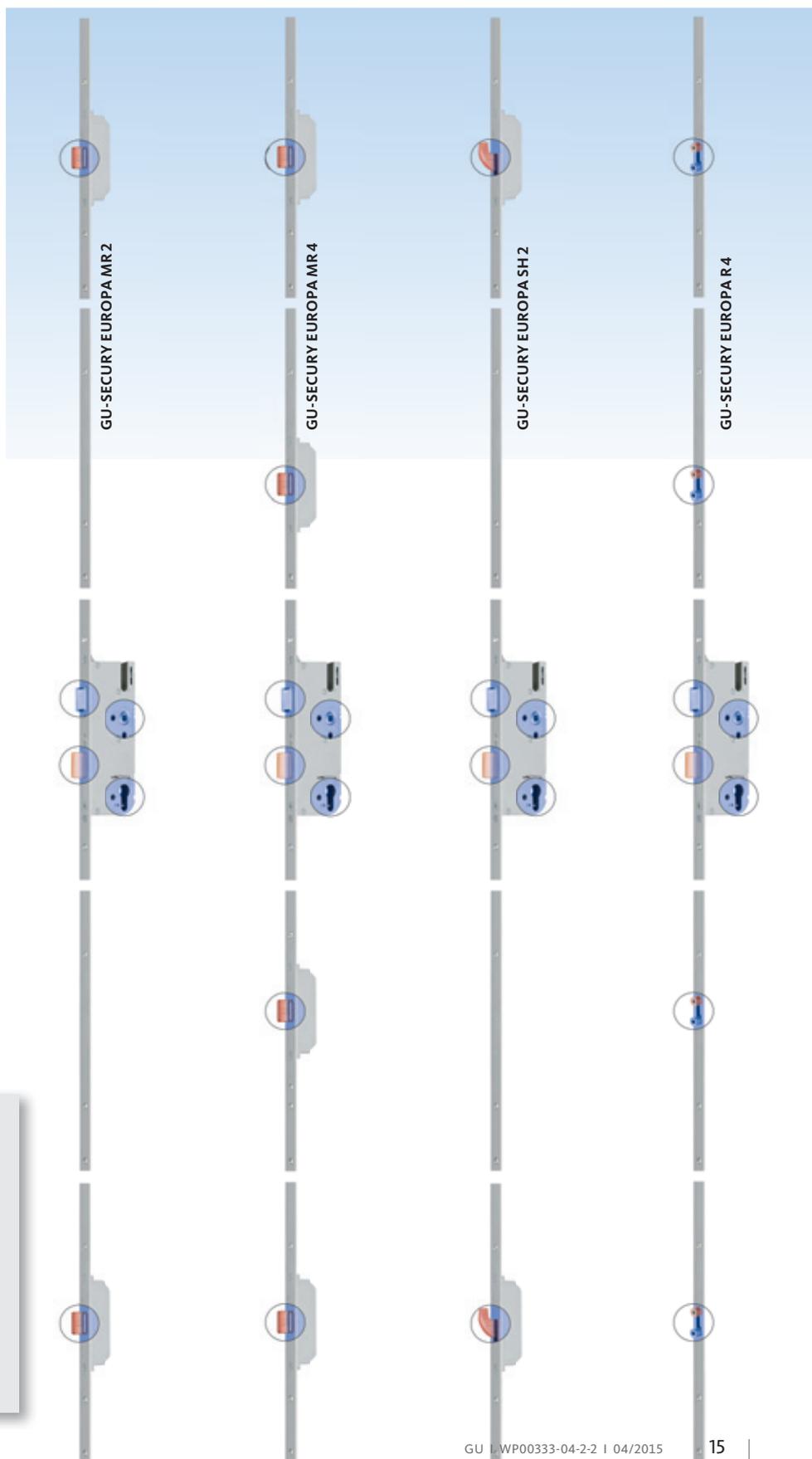
Features	GU-SECURITY EUROPA MR2, MR4	GU-SECURITY EUROPA SH2	GU-SECURITY EUROPA R4
Hook bolt (SH)		■	
Massive bolt (MR)	■		
Roller cam/mushroom cam (R/P)			■
Lever-operated	■	■	■
<b>Technical data</b>			
Backset [mm]	25 – 65	25 – 65	25 – 65
Hole distance [mm]	70 – 94	70 – 94	70 – 94

## The programme

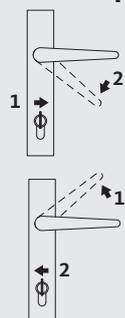
- **GU-SECURY EUROPA MR 2, MR 4**  
(2 or 4 massive bolts): MR/R version also available (combination with roller cams)
- **GU-SECURY EUROPA SH2**  
(2 hook bolts): SH/R version also available (combination with roller cams)
- **GU-SECURY EUROPA R 4**  
(4 adjustable R roller cams): R2 and R/P (combination with mushroom cams) version also available.

## System benefits

- Reversible latch: The locks are useable for both DIN left and DIN right
- Extensive range of GU-SECURY accessories
- Levering the door out is efficiently hampered as the SH bolts hook into the accessories on the frame side
- The adjustable roller cams that come with with the MR/R, SH/R and R4 versions optimise the door leaf contact pressure in the top and bottom section of the door and ensure a high gasket pressure and tightness



### Handle operation



**Open**  
1. Release the door lock using the key  
2. Depress the lever to open the door

**Locking**  
1. Lift the lever so the locking bolts can project  
2. Lock the door using the key

# Manual-locking locking systems

## Mortise locks



### GU-ECONOMY

You are a fabricator using GU-SECURITY multi-point door locks and need a suitable mortise lock as a cost-efficient alternative? The GU-ECONOMY lock series was specially designed for this demand. Its lock case dimensions are the same as those of the GU-SECURITY multi-point door locks. The faceplate cross-sections and the accessories are also identical.

#### Mortise locks

Application	GU-ECONOMY
1-leaf	■
1-turn 20 mm deadbolt throw	■
In conjunction with electric strike	■
Technical data	
Backset [mm]	30 – 45
Hole distance [mm]	92
Follower version [mm]	8 and 10

## System benefits

Mortise locks for timber, PVC, aluminium and steel door systems – the ideal complement for GU-SECURY multi-point locks:

- Identical milling dimensions for the lock case
- Identical faceplate dimensions – but as short faceplate
- Identical accessories
- Steel deadbolt
- With panic function E
- Flat faceplate and U-faceplate of steel, tailored to different door constructions:  
Short faceplate L = 290 mm  
Faceplate with square or round ends
- Reversible latch: The locks are useable for both DIN left and DIN right



# The house entrance door concept

Secure – convenient – flexible



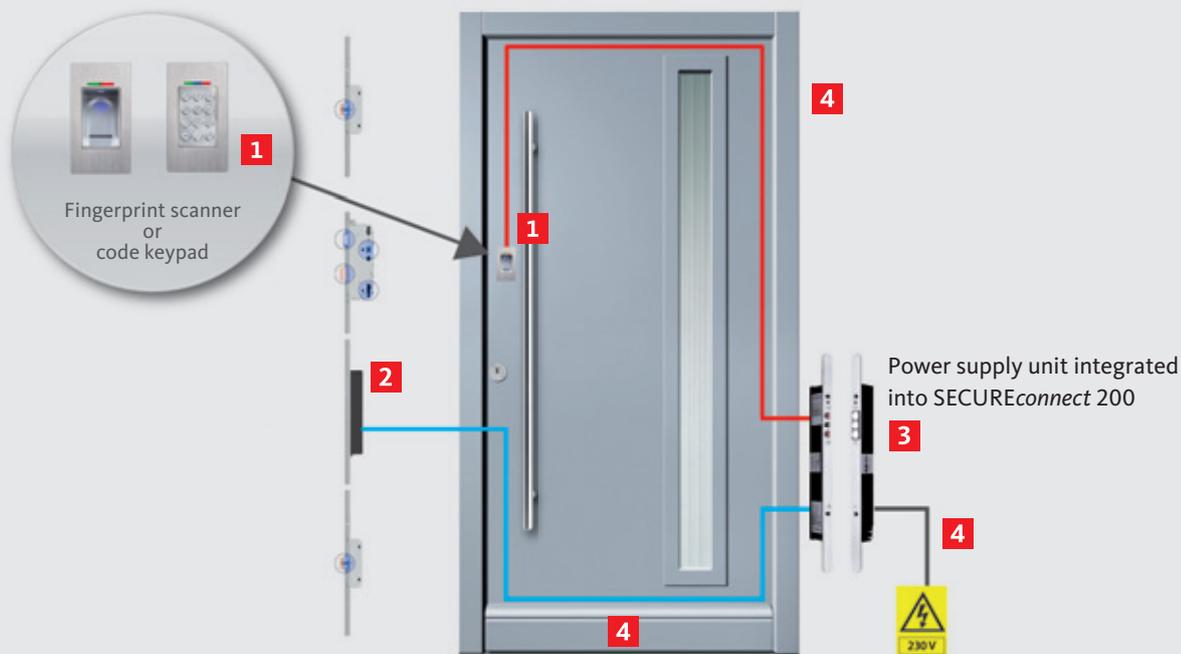
## The single-door solution providing easy access

The GU house entrance door concept combines security and comfort. Owing to the unprecedented flexibility of the system, BKS offers pre-assembled, easy-to-install complete sets. The control system and transmission can be selected individually depending on your requirements!

- Convenient access with biometric fingerprint recognition or individual access code. Special emphasis has been placed on simple configuration, commissioning and operation of the system.

- Reading directly via the fingerprint scanner or the code keypad. The non-networked system can function without additional computer assistance.
- The modular system ensures the best possible adaptability for additional access control technologies in the future with a fixed installation situation in the door.

### Installation in the door leaf



- 1 Fingerprint scanner / code keypad – integrated
- 2 GU-SECURITY Automatic with A-opener kit (also available with daytime release function)
- 3 SECUREconnect 200
- 4 Ready-made cable

### Installation in the door leaf

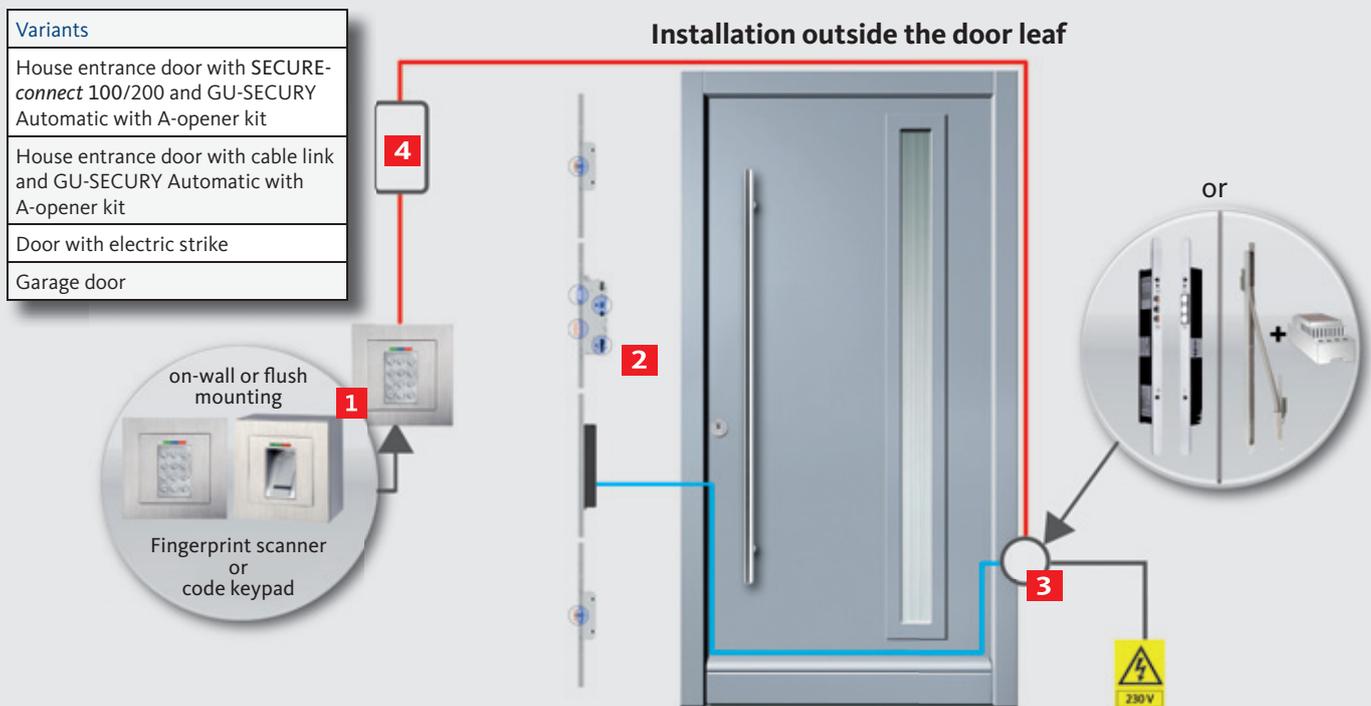
- Control via fingerprint scanner or code keypad
- GU-SECURITY Automatic with A-opener kit
- SECUREconnect 200 wireless transition

### Recommendation

Especially suitable for entrances and secondary entrance doors in residential buildings occupied by several parties, families with children, medical practices and law firms. Biometric or numeric access control prevents locking out. High degree of safety due to the self-locking locking system.

- Further system modules are available for use in the retrofit market where the fingerprint scanner or code keypad is not mounted on the door leaf directly. By using a separate relay unit with these retrofit kits, it is possible to securely control electrical locks or drives, e.g. electric door strikes, garage door drives, motor-driven locks, electrically coupled locks, and many more.

- Package contains: fingerprint scanner or code keypad in stainless steel effect, cover frame in stainless steel, separate relay unit, assembly materials for on-wall and flush mounting, installation and operating instructions



- 1** Fingerprint scanner / code keypad – on-wall or flush mounting
- 2** GU-SECURITY Automatic with A-opener kit (also available with daytime release function)
- 3** SECUREconnect or cable link and power supply unit
- 4** Separate relay unit

### Installation outside the door leaf

- Control via fingerprint scanner or code keypad
- On-wall and flush mounting possible
- Tamper-proof thanks to separate relay unit
- Potential-free changeover contact to control the electronic locks

### Recommendation

Particularly suitable for conveniently controlling existing entrance situations, e.g. electric door strikes, A-openers, electric garage door drives, roller shutters, electrically coupled locks or motor-driven locks.

# The house entrance door concept

## GU-SECURITY Automatic with A-opener kit



### Automatic locking – motor-driven unlocking

Also with the GU-SECURITY Automatic version it is possible to enable the door electrically, e.g. via the access control system or by pressing the button of the house entrance door intercom.

Exceptionally convenient – once pulled shut, the door is automatically multi-point locked by the Automatic latchbolts.

### GU-SECURITY Automatic multi-point locks in detail

Two Automatic latchbolts throw 20 mm as soon as the door is pulled shut. They automatically function as deadbolts which are secured against being pushed back.

- The GU-SECURITY types with A-opener feature motor-driven latchbolt retraction (both latchbolts)
- Tested in combination with various door systems RC2- and RC3
- VdS approval grade A
- Suitable for 1-leaf and 2-leaf door systems

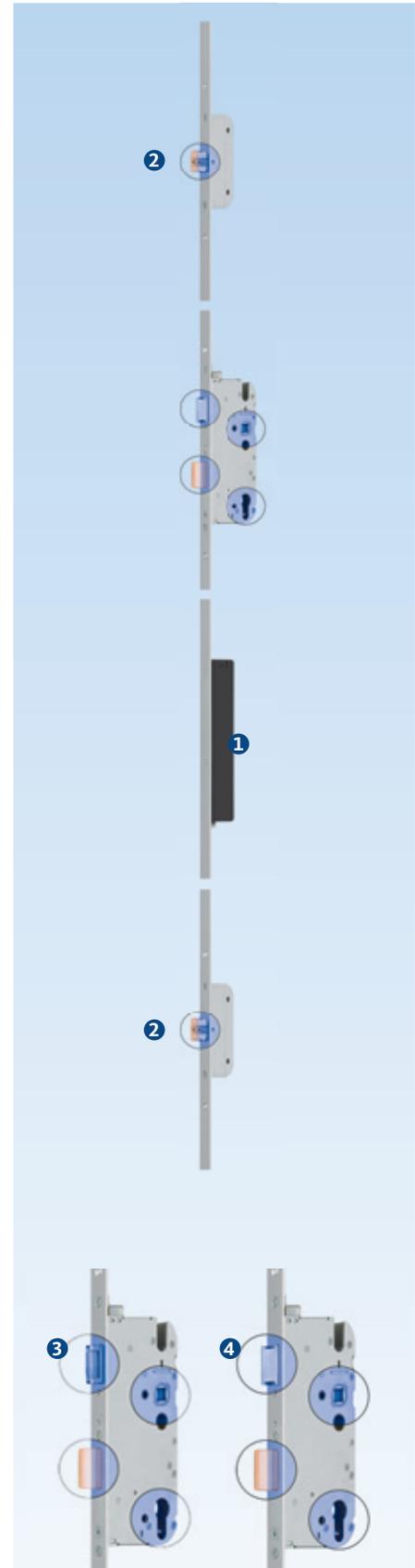
### GU-SECURITY AutomaticTE with daytime release function



The unique locking system that offers reassuring security thanks to automatic locking and electric remote operation, now also offers the convenient daytime release function.

- **Insured with the door just pulled shut**
- Simply pull the door shut without locking – it is automatically multi-point locked with latchbolts throwing 20 mm
- **Burglar-inhibiting**
- The multi-point door lock has been RC2 and RC3-tested in different door systems successfully
- **Freely selectable door functions**
  - **Standard function**  
The locking system can be operated and opened via the house entrance door intercom
  - **Daytime release function**  
If required, the Automatic latchbolts can be mechanically locked by the user in withdrawn position. The daytime release function is then activated. In conjunction with the interchangeable latch piece integrated into the latch&deadbolt striker on the frame side, the roller latch serves to hold the door shut. In this operating mode, the lock allows for convenient access without having to use the key
- **GU-SECURITY AutomaticTE is always supplied with roller latch**

- 1 A-opener kit
- 2 Automatic latchbolt
- 3 Roller latch – for daytime release function with A-opener kit
- 4 Standard latch

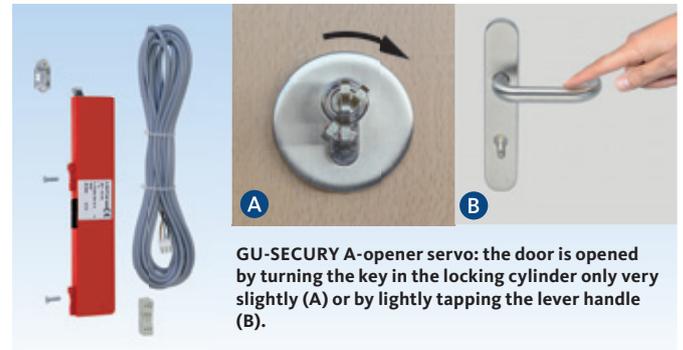




### GU-SECURITY A-opener and A-opener servo

The self-locking GU-SECURITY multi-point locks can be equipped with an optional opening motor which, when triggered, retracts the Automatic latchbolts. Any access control system can be used on the outside. For example, a contact-free system with an electronic key (transponder), a door code keypad or a fingerprint scanner. The door can also be opened mechanically by inserting the key in the locking cylinder. When installed with an A-opener, the locking system is suitable for barrier-free construction to DIN 18040.

The GU SECURITY A-opener servo is virtually the ignition lock for the house entrance door; it allows doors to be opened easily and comfortably, even in cases where high operational forces would be required. For example, with doors whose gasket pressure varies due to weather effects or with very high door types where several locks must be retracted.



#### GU-SECURITY A-opener

Technical data	
Nominal voltage	12 V AC / 12 – 24 V DC (stabilised)
Current consumption [A]	max. 1
Protection type	IP 40
Lifting force [N]	max. 70

### Emergency power backup for GU-SECURITY A-opener

A motor-driven lock may only be used with fire and smoke protection doors if it is ensured that sufficient power is available at all times to enable the latchbolts to project into their locking position. This power is supplied by the new GU emergency power backup system. Alternatively, this can be supplied by the SECUREconnect or a UPS (uninterruptible power supply).

The emergency power backup system blocks the electrical activation of the lock as long as no mains voltage is available. During commissioning or after mains return, the lock can be activated again electrically.

The mechanical function of the motor-driven lock will not be influenced at all.



#### Emergency power backup system for GU-SECURITY A-opener

Technical data	
Cable length [mm]	approx. 600
Housing dimensions L x W x H [mm]	100 x 24 x 15
Operating voltage [VDC]	24 ± 15 %
Current consumption [A]	max. 1
Standby [mA]	max. 30

# Electronic accessories

Solutions for power and data transmission / additional locks with query



## The right product for every requirement

Our wide range contains the perfect solution for every door, from simple through to modern versions.

### System benefits

- Cable links – power transmission via cable
  - For face-fixed or concealed installation
  - Also available as detachable version
- SECUREconnect – wireless power transmission via durable tappet contacts
  - With integrated 230 V power supply unit
  - With encrypted power and data transmission in the SECUREconnect 200 version
  - Easy and unproblematic installation in timber, PVC and metal door systems – prepared for faceplates to match the corresponding door profile



SECUREconnect 50 – the ideal entry level solution

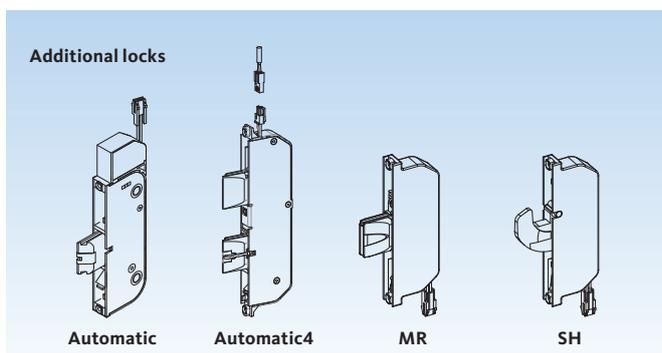
#### Power and data transmission unit

Technical data	SC 200	SC 50	Cable link, concealed	Cable link, face-fixed
Data transmission	■			
Power transmission	■	■	■	■
Integrated power supply unit	■	■		
Concealed	■	■	■	
Detachable	■	■	■	
Opening angle	unlimited	unlimited	180°	90°

## Additional locks with query function for GU-SECURY multi-point locks

If GU-SECURY multi-point locks are used within facility management systems, the locking status of the door can be queried at the additional locks (figure A) and forwarded to the evaluation unit of the monitoring system. In this instance, the top and bottom additional lock are equipped with monitoring contacts located in the door leaf.

Alternatively, the query can be effected through a monitoring contact positioned on the frame side: either in the area of the additional locks using a latchbolt striker with pre-mounted monitoring contact for Automatic/MR latchbolts (figure B) or for Automatic4/DR latchbolts (figure C), or in the area of the main lock case using a latch&deadbolt striker prepared for installation of a deadbolt monitoring contact.





### The right solution for each door profile

The GU group offers two electric door strike series that, with just a few variants, meet all standard mechanical and electric requirements. Their small size and a smart accessory range allow you to adapt them to all customary profiles. The optional version with latch slide cover even saves you the effort of milling a recess into the profile edge.

### Standard electric strikes

The right solution for every door profile: available in the fail-secure (operating current) versions with or without high-preload controller and fail-safe (quiescent current) versions – each with optional latch slide cover allowing for concealed installation. The coloured terminal clamps make it easy to distinguish the variants from each other.

Electric strike series No. 6 in fire-rated version

The mechanical components of a fire-rated electric strike are manufactured from materials whose melting points are higher than 1000 °C.

### For concealed installation

Electric strikes with latch slide cover save you the effort of cutting the frame profile edge, or allow the use of an angled latch&deadbolt striker with closed keeper area for timber profiles.

### System benefits

- Optimum adaptation to frame profile with GU-BKS system latch&deadbolt strikers and electric strike series No. 5/6 with latch slide cover
- The full range of requirements is covered by just a few versions
- Extremely small dimensions with symmetrical configuration
- No cutting of the front profile edge required thanks to the compact radius keeper with latch slide cover
- The appearance of the profile edge is not disturbed
- Connectable with electronic control units thanks to pole reversal-proof spike protection with bipolar TVS diode (EMC protection)



### Electric strike series No. 5 / 6

<b>Application</b>	
Door handing	DIN left and DIN right usable (non-handed) due to the symmetrical design
Installation position	vertical/horizontal
<b>Technical data</b>	
Adjustment range, radius keeper [mm]	2 / 3
Breaking resistance [N]	3500 (fire-rated version 8000)
Operating temperature [°C]	-20 to +50
Endurance rating	250,000

# Mechanical accessories

## Shoot-bolt lock

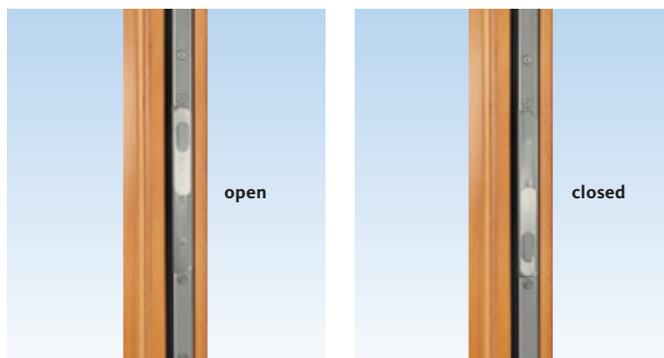


### Shoot-bolt lock for 2-leaf doors

The convenient means of locking and unlocking the passive leaf, for the GU-SECURY Automatic, MR2 and SH2 lock types.

#### System benefits

- Simple installation
- Simultaneous upwards and downwards shoot bolt protrusion
- Burglar-inhibiting:
  - the active leaf can only be locked if the rebate lever is closed
  - if the rebate lever is tampered with, the pre-locked additional deadbolts prevent the door from being opened
- User-friendly due to ease of operation
- Variable shoot bolt protrusion to cater for different constructional situations
- Can be used for all standard axes
- Possibility of using an electric strike



No danger of injury or wall damage thanks 180° pivotable rebate lever.

#### Shoot-bolt lock for 2-leaf doors

<b>Application</b>	
Lock type	Automatic, MR2, SH2
<b>Technical data</b>	
Shoot bolt throw [mm]	15 – 25
Door-leaf rebate height [mm]	1880 – 3115



### Frame-side accessories for 1-leaf and 2-leaf doors

The comprehensive GU-SECURY accessories for timber, PVC, aluminium and steel doors:

- Profile and system-specific latch&deadbolt strikers, adjustable strikers and lock cases
- Profile and system-specific one-piece strikers
- Strikers for safe-T-catch
- Lever-operated shoot-bolt locks
- Top and bottom shoot bolts

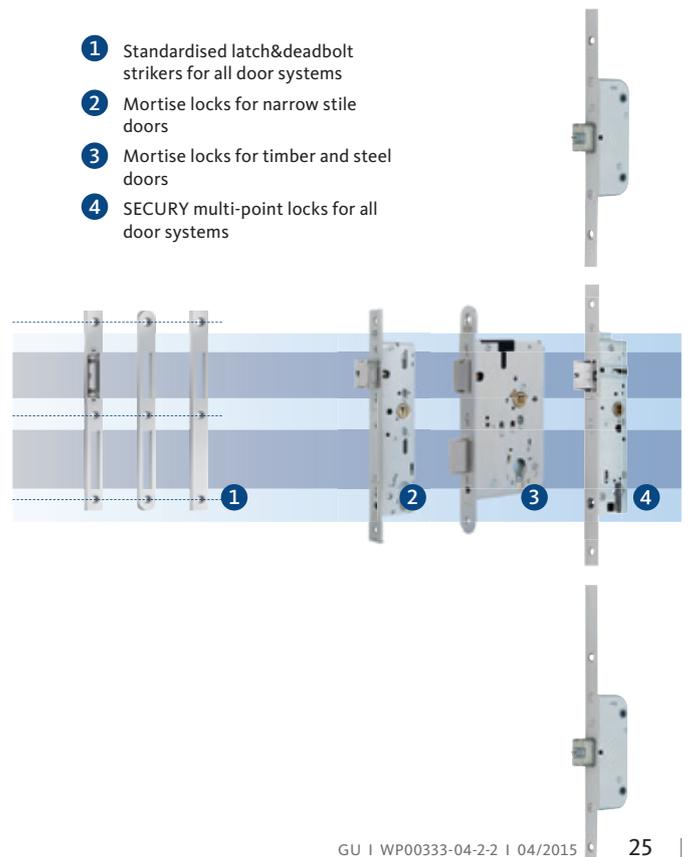


L&D strikers and strikers

### Identically sized latch&deadbolt strikers for all multi-point locks and BKS mortise locks

- The new latch&deadbolt strikers feature identical lengths, fixing holes and deadbolt cutouts
- Identical striker length of 216.5 mm
- Deadbolt cutout with standard  $W \times H = 12.25 \text{ mm} \times 62 \text{ mm}$  and universal deadbolt cover
- For timber, PVC, aluminium and steel door systems
- As the deadbolt cutout has been standardised, a deadbolt monitoring contact set can be installed

- 1 Standardised latch&deadbolt strikers for all door systems
- 2 Mortise locks for narrow stile doors
- 3 Mortise locks for timber and steel doors
- 4 SECURY multi-point locks for all door systems





### Security for apartment entrance doors

The locking system with built-in door catch mechanism and convenient operation via thumbturn. Particularly suitable for apartment entrance and main entrance doors in one-family houses.

### The programme

- GU-SECURITY Automatic
- GU-SECURITY Automatic 4
- GU-SECURITY massive bolt (MR)
- GU-SECURITY hook bolt (SH)
- GU-SECURITY double bolt (DR)

### System benefits

- No face-fixed lock and no chain
- Can be locked and unlocked from the inside via the thumbturn
- The safe-T-catch which is activated from the inside can be deactivated from the outside via the locking cylinder
- Usable for DIN LH/RH doors (non-handed)
- Available in all standard backsets (from backset = 35 mm) and adapted to the backsets of the main lock case



Safe-T-catch activated from the inside



The safe-T-catch is easy and convenient to operate via the thumbturn

### Thumbturn position



horizontal

The door catch mechanism can be locked from the inside via the thumbturn.



vertical

The door catch mechanism can be unlocked from the inside via the thumbturn. Alternatively, it can be unlocked from the inside and outside using the key via a safety closing mechanism (OPEN – CLOSE – OPEN).

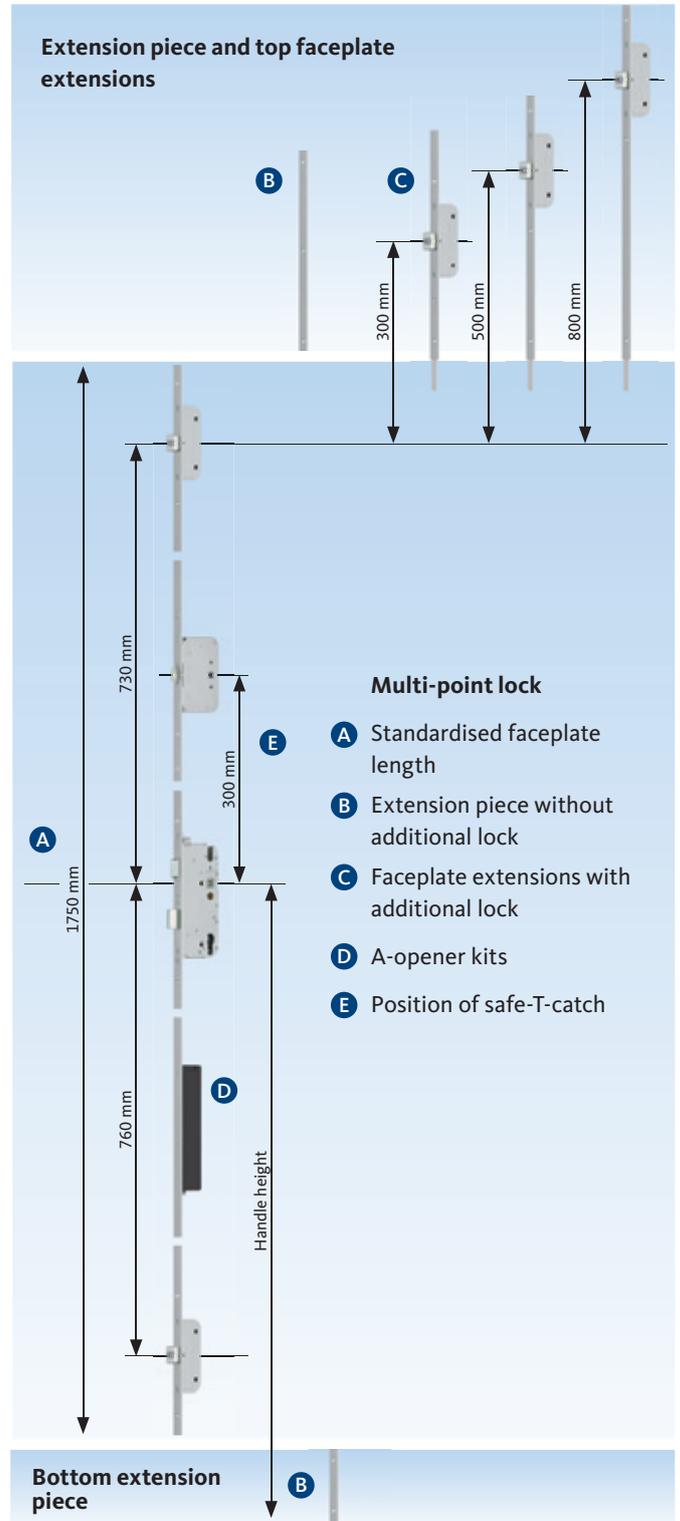


## Standard dimensions for all door locking systems

- Flexible use of standard, comfort and panic versions due to identical position of locking points
- Standardised faceplate length of 1750 mm for multi-point locks and one-piece strikers
- Modular faceplate extensions with additional lock for door heights exceeding 2500 mm
- Standardised milling position for additional locks of all locking bolt types
- As an option, the self-locking locking systems can be combined with the A-opener kit
- Suitable for timber, PVC and metal door systems



Further information can be found in the brochure 'GU-SECURY system technology for the modern main and apartment entrance door' (WP00336-04-2-2)



# Supplementary range

## Door closers



### The door closer range

The comprehensive range of door closers from the Gretsch-Unitas group comprises overhead door closers and floor springs as well as solutions for hold-open systems for 1-leaf and 2-leaf doors predestinated for sophisticated building concepts. The requirements for barrier-free construction in accordance with DIN 18040 are also fulfilled. Apart from their safe and reliable function, these door closers stand out due to maximum modularity, comfort and appealing design.

Integrated door leaf coordination systems ensure reliable, controlled and correct closing of all 2-leaf models from any opening angle. This makes them ideal for use in fire and smoke protection doors. Designed for use on 1-leaf and 2-leaf doors, the concealed door closer version fulfils the highest esthetical demands. The GU door closer version for concealed installation is unique in the market: fully concealed in the vertical rebate of interior doors with round, segmental or pointed arch, this closer type perfectly combines esthetics and function.



Personal image: Little girl running provided courtesy of Getty Images

#### Technical data

Door closer type	Max. door width / max. door weight	Closing force size in accordance with DIN EN 1154	For fire doors and smoke protection doors
<b>Overhead door closers with slide rail</b>			
OTS 736	1400 mm	EN3 – 6	<b>F</b>
OTS 735	1250 mm	EN2 – 5	<b>F</b>
OTS 733	950 mm	EN3	<b>F</b>
<b>Overhead door closer with scissor-action arm</b>			
OTS 536	1400 mm	EN2 – 6	<b>F</b>
OTS 430	1250 mm	EN2 – 5	<b>F</b>
OTS 210	1100 mm	EN2/3/4	–
OTS 140	1100 mm	EN2/3/4	–
OTS 130	1100 mm	EN2/3/4	<b>F</b>
<b>Concealed overhead door closer</b>			
VTS 735	1250 mm	3 – 5	<b>F</b>
<b>Rebate door closers</b>			
20	35 – 80 kg	1 – 2	–
24	50 – 140 kg	2 – 3	–
<b>Floor springs</b>			
UTS 85 HF	300 kg	2 – 6	
UTS 85 F	300 kg	3 – 6	<b>F</b>
UTS 85 FE/UTS 85 FL	300 kg	3 – 6	<b>F</b>
UTS 60	170 kg	4	–
UTS 50	120 kg	3	–
UTS 42	120 kg	1 – 4	–
UTS 840	120 kg	3/4	–



Large image: overhead door closer OTS 736 SRI; small image: floor spring UTS 85 HF with hydraulic hold-open



Rebate door closer 20 and 24 for concealed installation in vertical rebate of interior doors



### GU thresholds – thermally broken

Can be used for many different timber and PVC door profiles, new buildings and renovation

The thermally broken thresholds reduce the heat flow at the bottom of your door element and help to save a considerable amount of energy, especially when they are installed in compliance with the standards.

#### System benefits

- Suitable for barrier-free construction in compliance with DIN 18040
- Installation on main entrance- and secondary entrance doors
- Available in many different depths
- System has its own sub-base profiles
- Comfortable threshold-to-frame and threshold-to-mullion connection thanks to of appropriate connectors
- Adapters for connection with fixed sidelights
- Connection options for anti-moisture foils
- Drip rails with gaskets in various heights shift the drip cut further towards the outside
- Mount for standard strikers
- Optimum thermal insulation thanks to large PVC profile depths



GU system threshold, PVC



GU system threshold, timber

#### GU thresholds – thermally broken

Technical data	
Installation depths [mm]	60 – 140
Application	Timber and PVC elements
Standard	DIN 18040 compliant
Accessories	Drip rails, gaskets, accessory profiles, etc.

# Supplementary range

## GU door hinges



### GU door hinges for main, apartment and secondary entrance doors

With GU door hinges, the door leaf is connected to the frame securely and accurately. The wide range of universal hinges can be used with PVC, timber and aluminium elements. The range is supplemented by suitable drilling jigs.

#### System benefits

- CE-certified in accordance with EN 1935 and SKG-tested
- Usable for high door leaf weights up to 160 kg
- 3-dimensional adjustment possible once installed without having to loosen the fastening screws
- DIN RH/LH usable (non-handed)
- Available for different overlap heights
- High-quality PVC maintenance-free bearing
- Special retaining elements for outward opening doors
- Increased corrosion protection
- 2 and 3-part versions



Large image: hinges for aluminium elements; small image: hinges for PVC elements



Hinges for timber elements

#### GU door hinges

Hinges for PVC elements	
Rebate heights [mm]	13.5 – 28
Leaf weights [kg]	up to 160
Fixing	Adjustments possible without undoing the fixing screws
Hinges for aluminium elements	
Leaf weights [kg]	up to 160
Version	2 and 3-part
Fixing	Anchor bolts or backer plates

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