

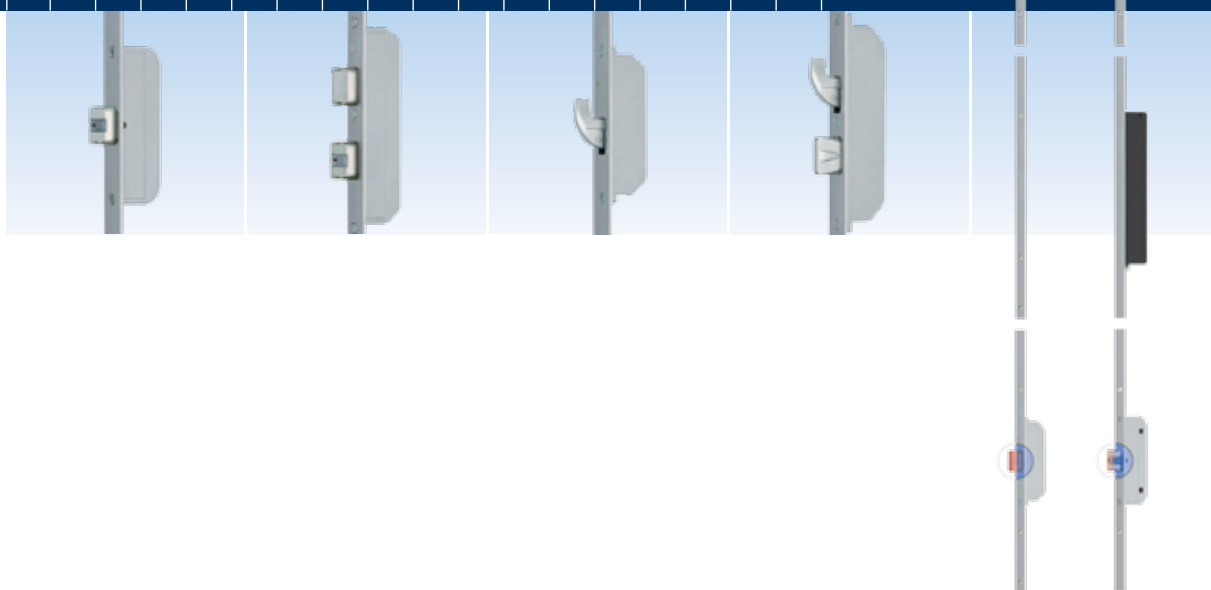


WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS



DOOR TECHNOLOGY

GU-SECURY multi-point locks



Securing technology for you





Individual security systems for the individual door situation

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, the success story of the first self-locking multi-point locking system for doors with GU-SECURY Automatic 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 fittings for emergency exits and panic doors manufactured by the group fully satisfy all requirements for reliable operation in emergencies.

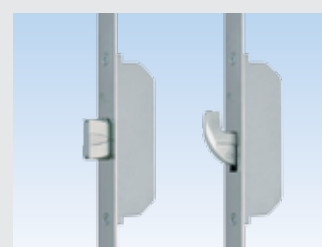
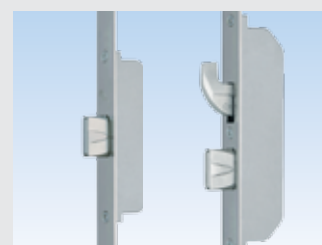
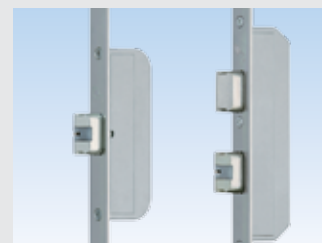
Service and software

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-SECURY 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 house entrance door 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-SECURY 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-SECURY multi-point locking systems 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 Gretsche-Unitas tender specification manager at www.g-u.com. It contains the following product ranges:

- GU-SECURY multi-point locking systems for timber, PVC, aluminium and steel doors
- Electric door strike series
- Wireless power and data transmission SECUREconnect
- Cable ducts
- Thresholds
- GU-BKS ACCESS access control
- Door closer and much more.

Product overview GU-SECURY multi-point lock

Application	Self-locking locks	Key-operated locks	Handle-operated locks	Escape door locks *
	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 handle, electrically coupleable (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-SECURY 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**
Rh/lh reversible. 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

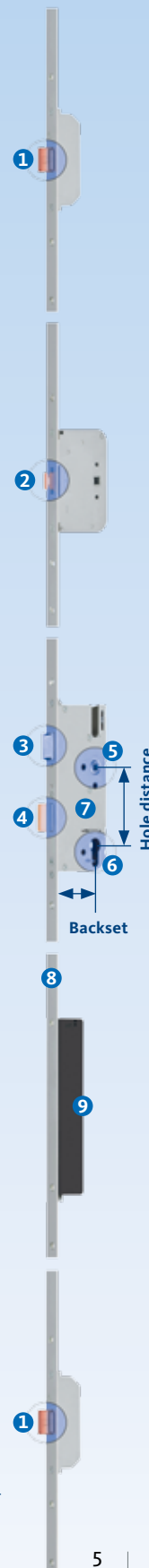
- 5 Follower**
Receives the spindle of the lever handle without any play and provides for reliable lock operation. Variant for fire protection doors available as an option

- 6 Cylinder cam**
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 rosette

- 8 Faceplate**
ferGUard galvanised, painted or stainless steel

- 9 A-opener**
Facilitates motor-driven opening of the door with the GU-SECURY Automatic multi-point locking systems



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 Gretschi-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 door handle from inside and by key from the outside.

Additional locking ▼

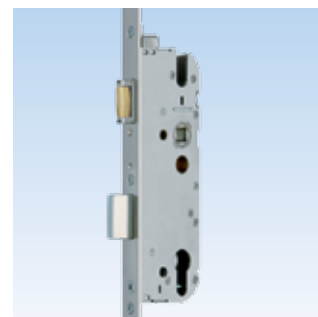


Lock case ▼



■ Automatic deadbolting latch and daytime release function

You want your front door to be freely accessible by day? The GU-SECURY AutomaticTE 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 (see page 20).



■ 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 deadbolting latches automatically throw 20 mm and are secured against being forced back.

Additional locking ▼



Lock case ▼



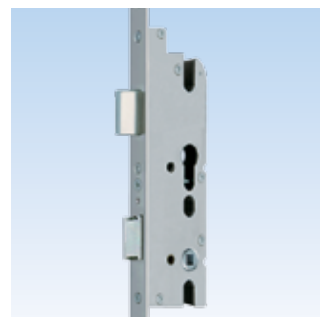
■ Automatic bolt

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-Comfort

With GU-SECURITY Automatic AC, you have a clear view of the locking cylinder due to the reversed arrangement of door hardware and cylinder. This means you can conveniently open and close the door from the outside using a key.



■ Automatic-Panic

(with panic function E for 1-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 mechatronical mortise locks and multi-point locks".



■ A-opener kit

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 house entrance door intercom or access control systems.



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 deadbolting automatic latches or automatic pin bolts (GU-SECURY Automatic AB2 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 door 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 Automatic 4	GU-SECURY Automatic AB 2	GU-SECURY Automatic AC
Suitability for smoke and fire doors	■	■		
VdS approval grade A	■			
VdS approval grade B		■		
Miscellaneous features				
Automatic latchbolt	■			■
Automatic pin bolt			■	
Automatic double latchbolt		■		
Safe-T-catch function	■	■	■	
Panic function	■	■		
Daytime release function	■	■		
A-opener (optional)	■	■	■	■
Technical data				
Backset [mm]	33 – 90	33 – 90	55 – 80	55 – 80
Distance [mm]	70 – 94	70 – 94	72	72

The programme

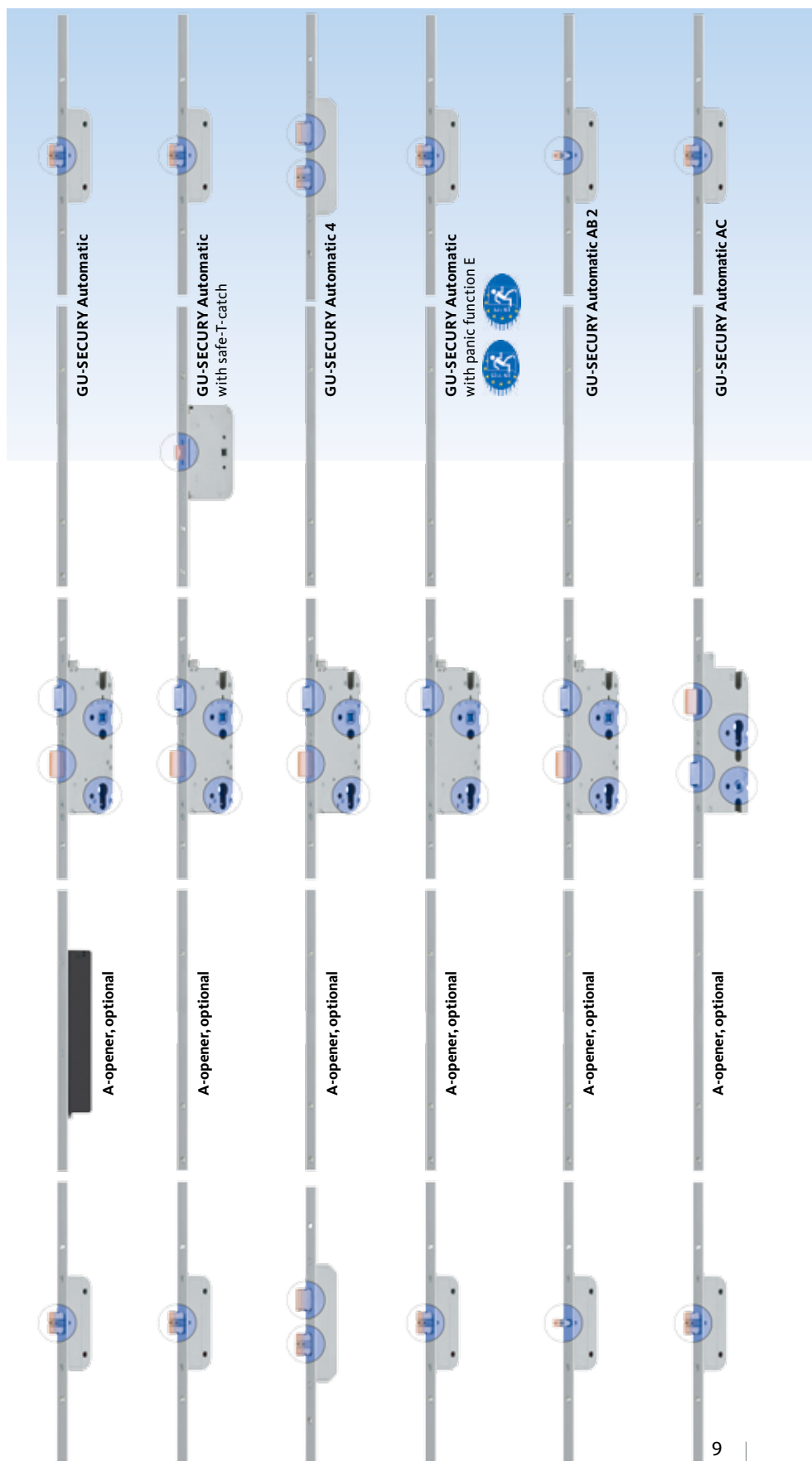
- **GU-SECURY Automatic**
- **GU-SECURY Automatic**
with safe-T-catch
- **GU-SECURY Automatic 4**
- **GU-SECURY Automatic**
with panic function E
- **GU-SECURY Automatic AB 2**
- **GU-SECURY Automatic AC**

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-SECURY accessories
- Latchbolts secured against being forced back
- Also available for "barrier-free construction" to DIN 18040
- Panic function:
Latch lever 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-SECURY 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 handle-operated locks



"Solidly locked!"

Security with manual locking systems from Gretschi-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 deadbolt

The GU-SECURY 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-SECURY Automatic system can also be used here.

■ Hook bolt

Securely locked with SH bolts. The GU-SECURY 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 locking ▼



Lock case ▼



■ Hook bolt + latchbolt

The GU-SECURITY DR multi-point lock combines the benefits of the SH bolt and the MR bolt in a '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 locking ▼

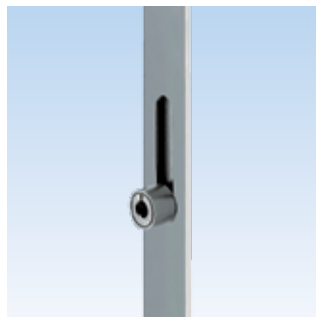


Lock case ▼



■ Roller cam

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



Handle-operated systems

■ GU-SECURITY EUROPA

The ideal lock series, if you like to have a locking system with a door handle on the outside instead of a knob. GU-SECURITY EUROPA offers you many variants. Locking is done by moving the door 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 handle-operated, the group offers a multitude of locking combinations in either version.

Manual-locking locking systems

Key-operated locks



GU-SECURY

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

GU-SECURY 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.

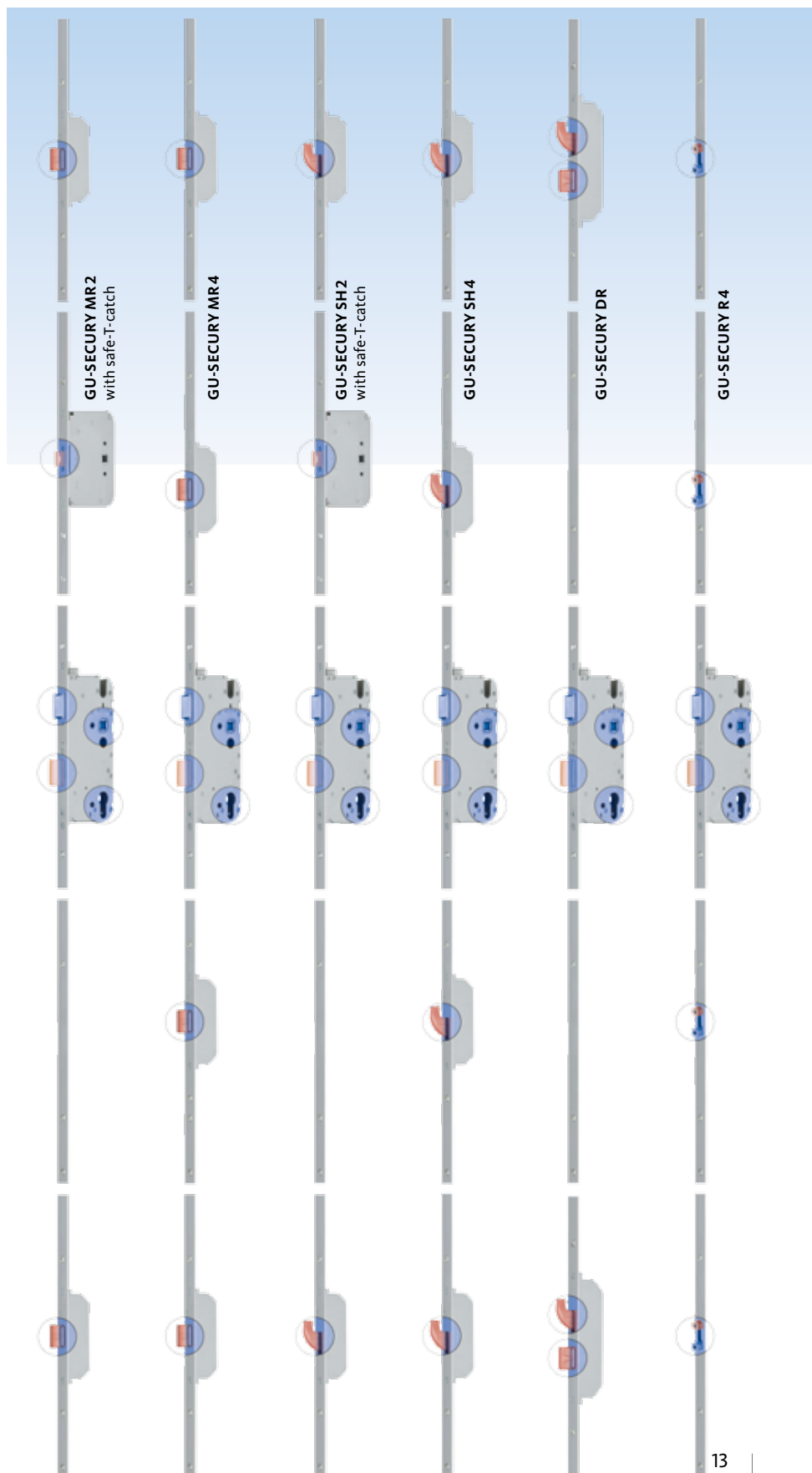
Multi-point locks				
Application	GU-SECURY MR 2, MR 4	GU-SECURY SH 2, SH 4	GU-SECURY DR	GU-SECURY R 4
Suitability for smoke and fire doors	■	■	■	
Miscellaneous features				
Hook bolt + latchbolt			■	
Hook bolt		■		
Massive deadbolt	■			
Roller/mushroom cam				■
Safe-T-catch function	■	■	■	
Key-operated	■	■	■	■
Technical data				
Backset [mm]	25 – 90	25 – 90	25 – 90	25 – 90
Distance [mm]	70 – 94	70 – 94	70 – 94	70 – 94

The programme

- **GU-SECURY MR 2, MR 4** (MR bolt):
Also available in MR/R version
- **GU-SECURY SH 2, SH 4** (SH bolt):
SH/R version also available
- **GU-SECURY DR** (double bolt)
- **GU-SECURY R 4** (4 adjustable roller
cams): P/R version also available

System benefits

- Increased burglar protection
- Reversible latch: The locks are useable
for both DIN left and DIN right
- Extensive range of GU-SECURY
accessories
- Also available for "barrier-free building"
to DIN 18040
- Levering the door out is efficiently
hampered by the SH bolts hooking 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

Handle-operated locks



GU-SECURY EUROPA

The handle-operated lock series GU-SECURY 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-SECURY EUROPA is available with all standard centres, backsets, forends and followers for timber, PVC, aluminium and steel doors.

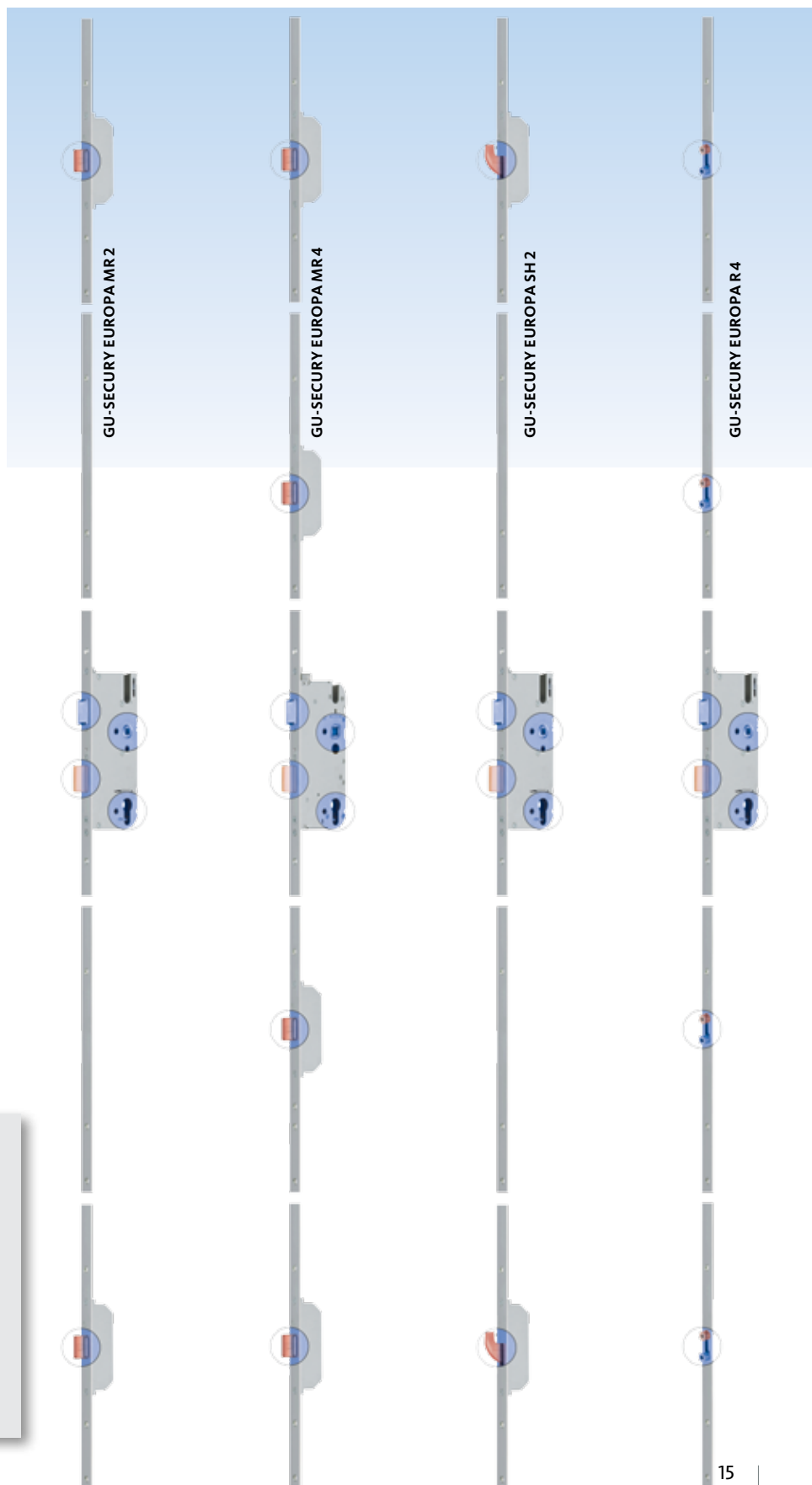
Multi-point locks			
Miscellaneous features	GU-SECURY EUROPA MR2, MR4	GU-SECURY EUROPA SH2	GU-SECURY EUROPA R4
Hook bolt		■	
Massive deadbolt	■		
Roller/mushroom cam			■
Handle-operated	■	■	■
Technical data			
Backset [mm]	25 – 65	25 – 65	25 – 65
Distance [mm]	70 – 94	70 – 94	70 – 94

The programme

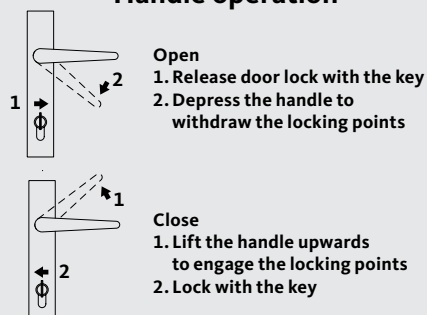
- **GU-SECURY EUROPA MR2, MR4**
(2 or 4 MR bolts): MR/R version also available
- **GU-SECURY EUROPA SH2**
(2 SH bolts): SH/R version also available
- **GU-SECURY EUROPA R4**
(4 adjustable roller cams): R2 and R/P version also available

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 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



Manual-locking locking systems

Mortise locks



GU-ECONOMY

You are a fabricator using GU-SECURY 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-SECURY 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 bolt connection	■
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 door construction. Short faceplate L = 290 mm, 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



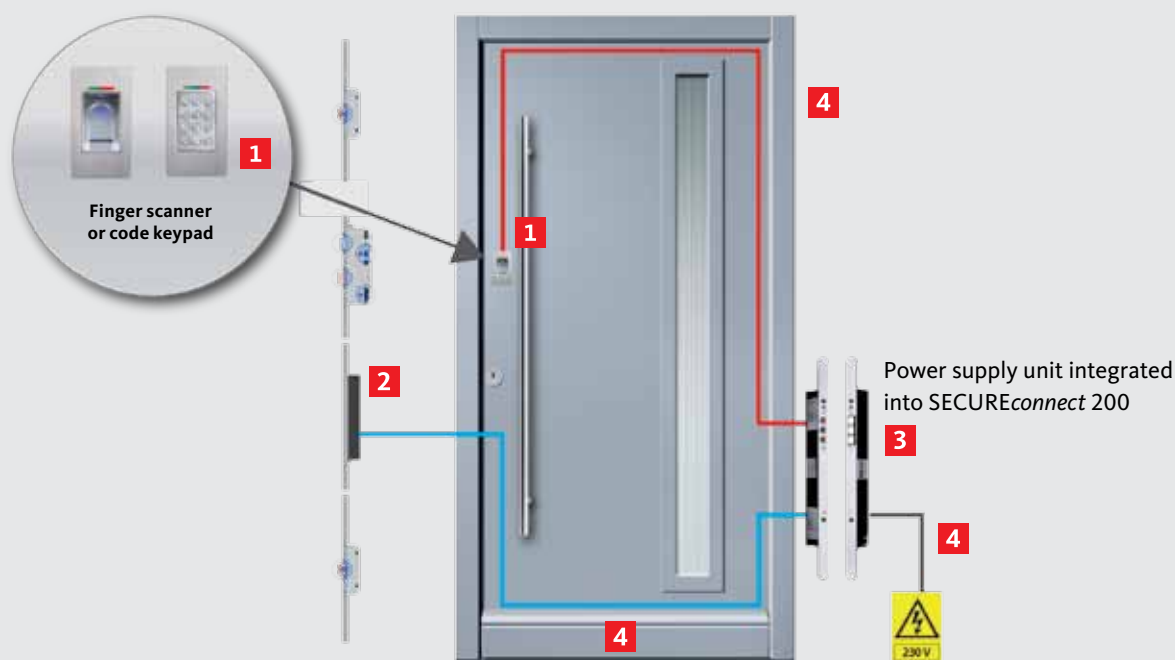
The single-door solution providing easy access

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

Installation in the door leaf

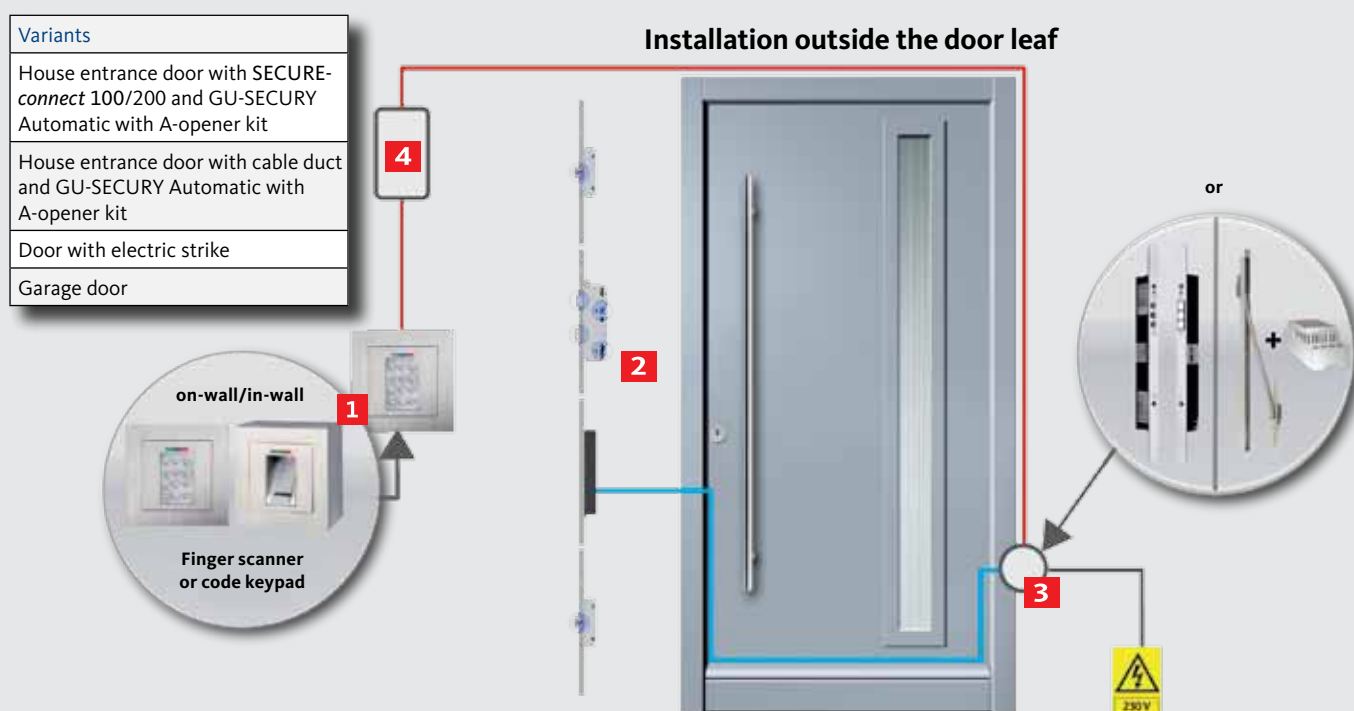
- Control via finger scanner or code keypad
- GU-SECURY Automatic with A-opener kit
- SECUREconnect 200 wireless transition

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 finger 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 coupleable locks, and many more.

- Package contains: Finger 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 Finger scanner / code keypad – on-wall or flush mounting
- 2 GU-SECURE Automatic with A-opener kit (also available with daytime release function)
- 3 SECUREconnect or cable duct and power supply unit
- 4 Separate relay unit

Installation outside the door leaf

- Control via finger 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-SECURY Automatic with A-opener kit



Automatic locking – motor-driven unlocking

Also with the GU-SECURY 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-SECURY 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-SECURY 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-SECURY AutomaticTE with A-opener and 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

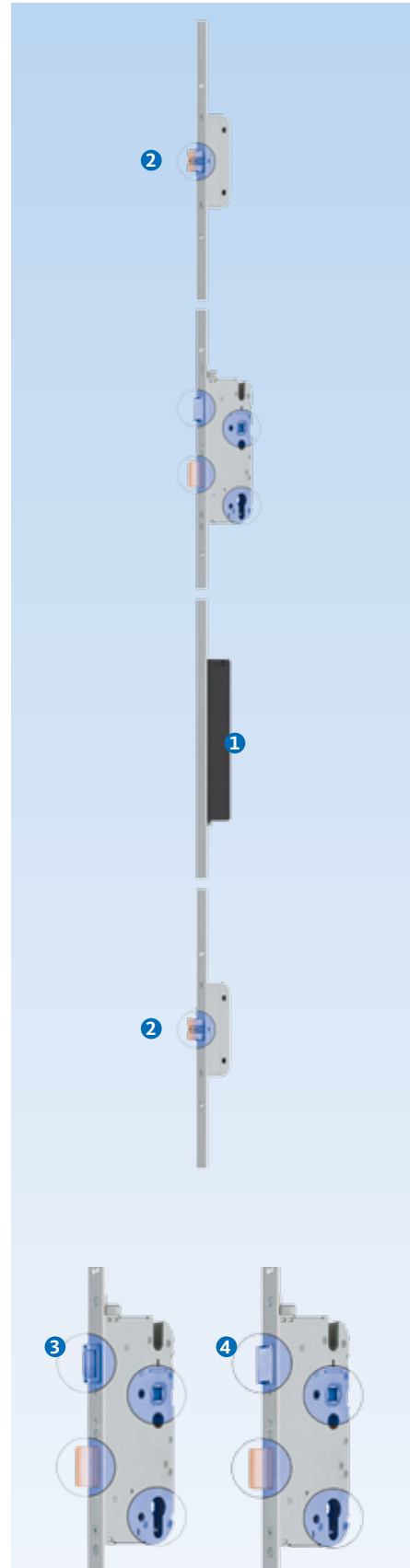
The locking system can be operated and opened via the house entrance door intercom

– 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-SECURY AutomaticTE is always supplied with roller latch

- 1 A-opener kit
- 2 Automatic latchbolt
- 3 Roller latch
- 4 Standard latch



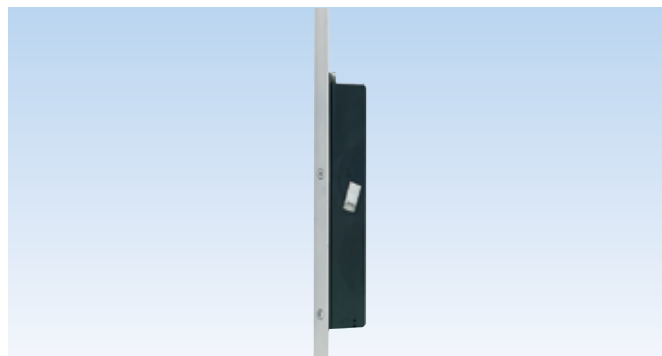


GU-SECURY A-opener

The automatically locking GU-SECURY Automatic multi-point lock can be equipped with an optional opening motor, the A-opener.

Once locked, the door is unlocked from the inside via an impulse transmitter/potential-free contact on the house entrance door intercom, or via the lever handle which moves back all automatic deadbolting latches via a motor.

This takes place without contact from the outside using the wireless SECUREconnect data and power transmitter and electronic key (transponder), any access control system, e.g. GU-SECURY Automatic *access controlled* or via the locking cylinder of the door lock.



GU-SECURY A-opener

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

Emergency power backup system for GU-SECURY A-opener

A motor-driven lock can only be used with fire and smoke protection doors if it has been ensured that sufficient energy is available at all times to guarantee that the latchbolt can also retract in the event of a power failure and move into the locked position.

This energy is supplied by the new GU emergency power backup system. Alternatively, this can be supplied by the SECUREconnect or a UPS (uninterruptible power supply).

For the duration of the power failure, the electrical activation of the lock is blocked. As soon as the power is restored, or upon start-up, the lock can be activated again.

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



Emergency power backup system for GU-SECURY 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 for locking systems

SECUREconnect 100/200 wireless power and data transmission



The intelligent solution for the system door

More security and convenience for all mechatronic locks. SECUREconnect 100 and 200 for wireless power and data transmission between frame and door leaf – the secure energy and data transmission system is suitable for all GU-BKS mechatronic locks and will be expanded in the new generation to include an access control interface to actuate finger scanners or code keypads.

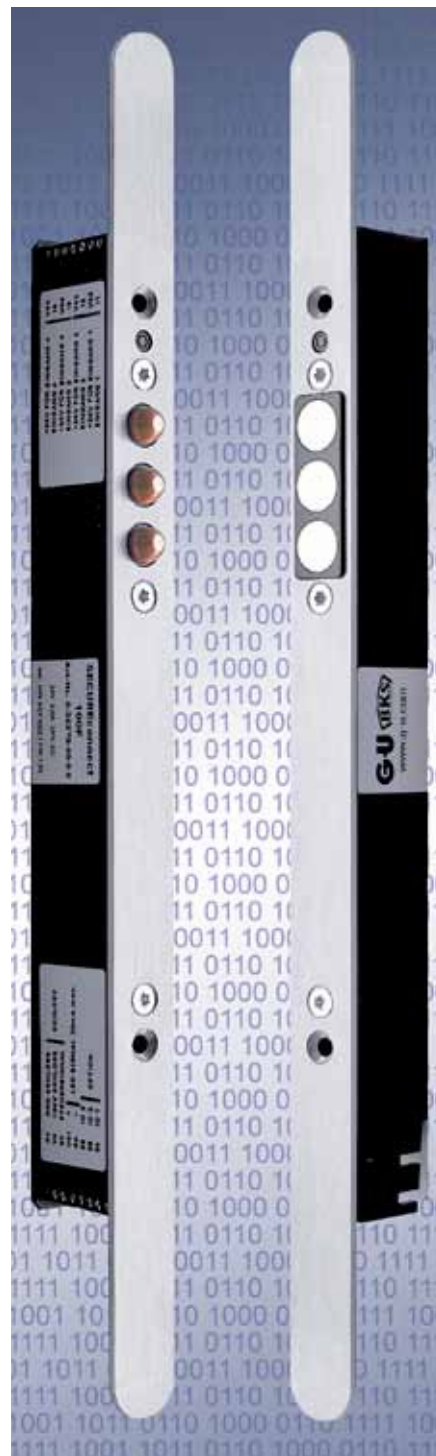
System benefits of SECUREconnect 100/200

- Easy and unproblematic installation in timber, PVC and metal door systems. Prepared for different, profile-specific faceplates
- The door element can be completely assembled in the workshop and electrically tested as an assembly group before delivery
- Integral solution for power supply unit, cable duct, lock control
- Short-circuit proof power transmission to the door leaf
- Long-life tappet contacts
- Facilitates almost any size of door opening angle
- Communication interface to the BKS NET bus



Additional characteristics of SECUREconnect 200:

- Secure data interface with finger scanners or code keypads within the door leaf
- Power supply for entry control module in door leaf
- Tamper protection via encoded telegram interface
- Protection against exchange of components through generation of a connection code via random generator when contact is made (pairing)





Cable duct

The cable ducts protect extra-low voltage cables in doors against mechanical damage during opening and closing of the door. They also protect the cable from unauthorised access. The cable ducts are concealed in the rebate and screwed to the door leaf.

The cable runs are manufactured from chrome-plated steel. This means they can be used for protection of electrical cables with a diameter of up to 10 mm leading from frame to door leaf. The cable duct is required for example for electrical monitoring of latches and/or deadbolts and also locks monitored via the escape door function.



Cable duct



Detachable cable duct

Cable duct

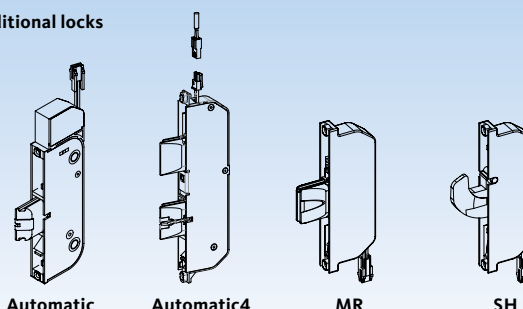
Technical data	
Mounting channel	on one side, or without
Wide mounting channel [mm]	24
Inner diameter of cable run [mm]	8 or 10
Opening angle	up to 100° or up to 180°

Additional locks with query function for GU-SECURITY multi-point locks

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



Additional locks



Automatic

Automatic4

MR

SH

Electronic accessories for locking systems

GU-BKS ACCESS



For single-door access control

The "small" access control GU-BKS ACCESS for individual doors is characterised by straightforward installation and programming. It is ideal for combining with motor-driven locks or electric strikes. Access is authorised via PIN code or card.

GU-BKS ACCESS CSP100 / CSA100 access control for single doors

Control unit, RFID card reader, PIN code keypad: With GU-BKS ACCESS CSP 100 / CSA100, everything you need for the access control on an individual door is rolled into one. Except for the power supply unit. The control unit is mounted on the protected interior side and connected to a reader on the outside. Access authorisations can be conveniently programmed via master card or master PIN.

System benefits

- Straightforward assembly
- Simple programming via master card or master PIN
- Programming does not require any software
- Individual card data can be deleted without the card, e.g. if card is lost
- Range of special, adjustable functions (variable door opening times, threat alarm, permanent release and others)



RFID card reader



PIN code keypad

GU-BKS ACCESS

Technical data	CSP100 / CSA100
Operating voltage [V DC]	12
Nominal current consumption [mA]	200
Number of users	512
Operating temperature [°C]	-35 to +65
Audible signal	Piezo
Visual signal	3 LEDs (red, green, yellow)
Interface for external readers	Wiegand 26 Bit
Inputs	5
Outputs	2 relay outputs
Dimensions [mm]	87 x 100 x 31



The right solution for each door profile

The GU group offers a series of electric door strikes that, with just a few variants, meets 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 door openers

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.

Fire-rated door openers

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 angular latch&deadbolt striker with closed keeper area for timber profiles.

System benefits

- Optimum adaptation of profile with GU-BKS system latch&deadbolt strikers and electric strike series no. 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 coil spike protection with bipolar transil diode (EMC protection)



Electric door strike series No. 6

Application	
Door handing	DIN lh and DIN rh usable (non-handed) due to the symmetrical design
Installation position	vertical/horizontal
Technical data	
Adjustment range, radius keeper [mm]	3
Breaking resistance [N]	3500 (FH version 8000)
Operating temperature [°C]	-20 to +50
Endurance rating	250,000
Installation dimensions (with contact) H x W x D [mm]	64.5 x 15.8 x 25.8

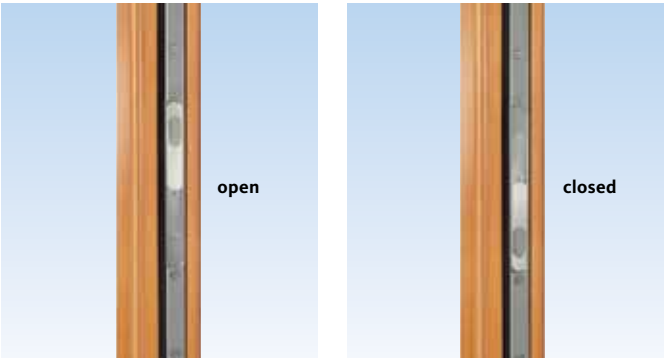


Lever-operated gear for 2-leaf doors

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 to the rebate lever swivelling 180°.

Lever-operated gear for 2-leaf doors	
Application	
Lock type	Automatic, MR2, SH2
Technical data	
Shoot bolt throw [mm]	15 – 25
Door rebate height [mm]	1880 – 3115



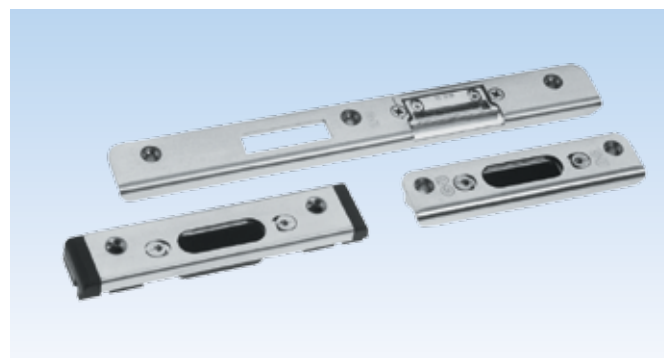
Accessories on frame side for 1 and 2-leaf doors

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
- Safe-T-catch strikers for safe-T-catch
- Shoot bolts
- Door shoot bolts, top/bottom



Accessories on frame side			
SECURY accessories	Timber doors	Door lock faceplate form	Axis
Angled latch&deadbolt strikers, latch&deadbolt strikers, strikers and safe-T-catch strikers	Rebate clearance 4 mm	Flat 16 mm	9 mm
		Flat 20 mm	10 mm
Concealed 1-piece strikers, latch&deadbolt strikers and safe-T-catch strikers	Rebate clearance 4 mm	Flat 20 mm	11 mm 13 mm 15 mm
1-piece strikers U 30 x 10 mm	Rebate clearance 4 mm	U 30 x 10 mm	13 mm 15 mm
3-piece strikers, angled latch&deadbolt strikers, latch&deadbolt strikers, strikers and safe-T-catch strikers	Rebate clearance 12 mm and Euro-groove 6/8 x 4 mm	Flat 16 mm	9 mm
	Rebate clearance 12 mm and Euro-groove 7/8 x 4 mm	Flat 16 mm	9 mm
	Rebate clearance 12 mm and Euro-rebate 18 x 8 mm	Flat 16 mm	9 mm
Angled latch&deadbolt strikers, latch&deadbolt strikers, strikers	Rebate clearance 12 mm and Euro-rebate 20 x 8 mm	Flat 16 mm	9 mm
	Rebate clearance 12 mm and Euro-rebate 24 x 8 mm	Flat 16 mm	13 mm
Latch&deadbolt strikers, strikers and safe-T-catch strikers	Cased frames	Flat 20 mm	10 mm
SECURY accessories	PVC and aluminium doors	Door locking system	
1- or 3-piece strikers strikers, latch&deadbolt strikers and safe-T-catch strikers	all standard profile systems	self-locking / manually locking	



Latch strikers and locking plates



Security for apartment entrance doors

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

The programme

- GU-SECURY Automatic
- GU-SECURY Automatic 4
- GU-SECURY massive bolt (MR)
- GU-SECURY hook bolt (SH)
- GU-SECURY 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 (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



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



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).



The door closer range

The comprehensive range of door closers from the Gretschi-Unitas group comprises overhead door closers and floor springs as well as solutions for hold-open systems for 1-leaf and 2-leaf doors, also for highly sophisticated building concepts. Apart from their safe and reliable function, these door closers stand out due to their 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 eminently suitable for use on fire and smoke protection doors. Concealed GU rebate door closers are a unique solution for internal round, segmental and lanced arched doors if you are looking for outstanding design and appearance.



Technical data			
Door closer type	Max. door width / max. door weight	Closing force size in accordance with DIN EN 1154	For fire rated doors and smoke protection doors
Overhead door closers (OTS) with slide rail			
OTS 730	1400 mm	EN 3 – 6	F
OTS 720	1100 mm	EN 1 – 4	F
OTS 634	1100 mm	EN 2 – 4	F
OTS 633	950 mm	EN 3	F
Overhead door closer with scissor-action arm			
OTS 536	1400 mm	EN 2 – 6	F
OTS 430	1250 mm	EN 2 – 5	F
OTS 330	1100 mm	EN 2/3/4	F
OTS 210	1100 mm	EN 2/3/4	-
OTS 200	1100 mm	EN 3/4	-
OTS 140	1100 mm	EN 2/3/4	-
OTS 130	1100 mm	EN 2/3/4	F
Floor spring			
UTS 85 HF	300 kg	2 – 6	
UTS 85 F	300 kg	3 – 6	F
UTS 85 FE/UTS 85 FL	300 kg	3 – 6	F
UTS 60	170 kg	4	-
UTS 50	120 kg	3	-
UTS 42	120 kg	1 – 4	-
UTS 840	120 kg	3/4	-
Rebate door closer			
20	35 – 80 kg	1 – 2	-
24	50 – 140 kg	2 – 3	-



Large image: Overhead door closer OTS 730 SRI; small image: Floor spring UTS 85 HF with hydraulic hold-open



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

Supplementary range

GU thresholds



GU thresholds – thermally broken

Can be used in many different profiles on timber or PVC door elements for new buildings and renovation projects.

The thermally broken thresholds reduce the heat flow at the bottom of your door element and help to save a considerable amount of energy – even more so if their installation is performed in compliance with the standards.

System benefits

- Suitable for barrier-free construction in compliance with DIN 18040
- Installation on main and secondary entrance doors
- Large number of different overall depths
- System has its own substructure profiles
- Comfortable threshold-to-frame and threshold-to-mullion connection by means of appropriate connectors
- Adaptors 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
- Large overall depths of PVC profile provide optimum thermal insulation



GU system threshold, PVC



GU system threshold, timber

GU thresholds – thermally broken

Technical data	
Overall depths [mm]	70 – 120
Application	Timber and PVC elements
Standard	DIN 18040 compliant
Accessories	Drip rails, gaskets, accessory profiles, etc.

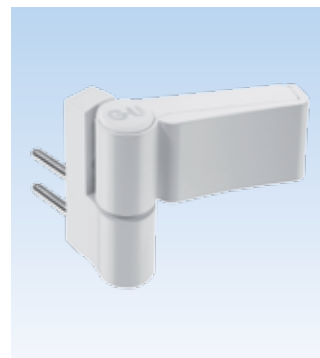


GU door hinges for main and secondary entrance doors

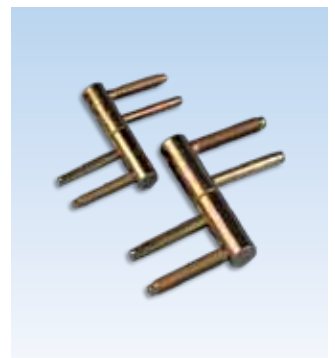
With GU door hinges, the door leaf is connected to the frame securely and accurately. The wide range of universal hinges can be used with PVC, timber and aluminium elements.

System benefits

- CE-certified in accordance with EN 1935 and SKG-tested
- Suitable for large door leaf weights
- 3-dimensional adjustment possible once installed without having to loosen the fastening screws
- DIN rh/lh usable (non-handed)
- Available for different overlap heights
- Maintenance-free bearing materials
- 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
Fastening	Adjustments possible without undoing the fixing screws
Hinges for aluminium elements	
Leaf weights [kg]	up to 160
Version	2 and 3-part
Fastening	Anchor bolts or backer plates



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