

THE GRETSCH-UNITAS GROUP

We are actively securing technology for you

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This printed edition of the company brochure is a supplement to the company film. You can see the film by going to the [website www.g-u.com](http://www.g-u.com) or directly by scanning the QR code opposite.

Dear Readers,

Opening, moving, closing, securing: products by Gretschi-Unitas Group are installed all over the world. They can be found in multi-storey buildings, privately owned homes, architectural landmarks and functional buildings. The versatility of our products puts us in a very strong position when it comes to satisfying all door, window, security and building management requirements.

The products of the traditional brands GU Baubeschlage, BKS and FERCO as well as GU Automatic and ela-soft are the basis for this. We are proud of our comprehensive range of products more than 30,000 of which are guaranteed to be mutually compatible, and are being continuously developed further day after day anew, for more than 100 years now.

However the philosophy of our family-run company in which mutual appreciation of our customers, partners, suppliers and employees plays a significant role is of equal importance.

In this brochure, we want to demonstrate our approach to development and production but also show how we advise and supply, and also support our customers from the planning stage through to commissioning. We pass on our specialist knowledge to you in the form of training courses and certifications. This is another aspect that makes us a formidable partner – worldwide in 35 countries on all five continents. All of this combined is what gives the GU products and services their special quality. For our system solutions, a contact person will provide you with support from planning through to maintenance. We therefore secure technology for you – with the characteristic systematic approach of Gretschi-Unitas.

On the following pages, you can find out in detail what this involves: from forward-looking products through to our culture of innovation which has evolved historically, in-house development and production through to the 3,500 qualified and committed members of staff worldwide.



Julius von Resch (left) and Michael von Resch (right)



Julius von Resch



Michael von Resch

Securing technology for you



Securing technology for you

...international outlook

Wherever our customers are, that's where we are too: everywhere in the world in 35 countries on all five continents. This presence creates proximity and makes us your capable partner. A partner that speaks your language and provides support and assistance throughout the entire project.

...System supplier + Solution partner

We provide answers: we deliver the right products, also for highly complex requirements. We do this as a system provider with a coherent range of products – and with our expertise for small series and special solutions.

...leading innovator

We think ahead: product ideas by Gretsch-Unitas set standards in the market. After all, our innovations are more than just new products. They pave the way in terms of security and comfort, efficiency and flexibility. In doing so, we trade on the solid foundation of the strong tradition that we have nurtured for more than a hundred years.

INTERNA-
TIONALITY

SYSTEM
SOLUTIONS

INNOVATION



...in-house production

We know every component: when manufacturing our products, we rely on the people that know them best – our members of staff. They install and check all products at European production sites in Germany, France and Slovakia.

...high-quality products

We let systematics do the talking: we owe our success to product diversity - as our offering of more than 30,000 articles demonstrates. The individual components demonstrate their overall potential as a formidable system, particularly in terms of their intelligent interaction.

...qualified employees

We know our biggest strength: our members of staff are the best ambassadors for Gretschi-Unitas Group. Committed, well-qualified and in the company for the long haul, they represent our brand values.

The strengths of our group do not just stand up for themselves in isolation, they complement each another mutually and to optimum effect. Together, they represent the Gretschi-Unitas brand values – and are at the core of the approach that **secures technology for you.**

Securing technology with international outlook



Where our customers are, that's where we are – all over the world. After all, the Gretsch-Unitas Group has a presence in all five continents.



Photo: © Kab GmbH, Fellbach



Photo: image of plant HOBA



More than
30,000 articles
in the range

5 manufacturing
companies
in Europe

50 production and
sales companies
in 35 countries



Our traditionally international outlook is key to our success on the global market. The more than 30,000 articles in the range are not just our world of products, they are also products for the whole world. This includes a strong presence as solutions partner, providing advice and service to our customers wherever they may be. The result is convincing solutions implemented with Gretsch-Unitas technology – in office buildings, airports, public authorities, luxury hotels, schools, hospitals and privately owned homes. In this respect, our expertise in relation to opening, moving, closing and securing is also decisive for our customers.

An international outlook, as we understand it, also includes sophisticated logistics. This ensures a reliable supply of products and parts to our partners around the globe. We send products and expertise out into the world – and the world responds with new challenges and projects.

Wherever you are, we are with you and speak your language. This is true from a technical, but also a geographical, standpoint. Our employees can after all support their projects all round the world due to our worldwide network of more than 50 production and sales companies: highly committed, with a high degree of technical problem-solving expertise and specific knowledge of the conditions, standards and guidelines in the respective markets.

We offer our customers mutually compatible solutions throughout the entire product range of our group: from door technology and automatic entrance systems to the world of windows and facades through to high-performance access control and building management systems.

All products and solutions are developed by our engineers at the headquarters in Germany and manufactured by highly skilled Gretsch-Unitas Group employees at the European production sites in Germany, France and Slovakia. This cultivates trust in us and our products – worldwide.

More than 3,500 employees worldwide

We speak your language

Securing technology as system supplier



Together with our customers we open up new avenues. Nowadays this is more important than ever before. After all, projects are becoming more and more sophisticated from an aesthetic and technical standpoint – but also increasingly complex too. Accordingly, the demands on the products used and their functions, efficiency and compatibility – with one another and also with the overall building system – are also high. We always find the right solution to meet this challenge from our range of products.

We are your capable problem-solving partner – from the details right up to overall project level. We are committed to this as system provider, with a comprehensive yet intrinsically coherent range of products which are mutually compatible in terms of all the elements used. But we also have cost-effective ideas for individual small series and special solutions.

Architects, planners, fabricators or small-scale professional tradesmen – and therefore also the end customer – benefit from this range of services. After all, it has been clear for some time now in the building industry that construction products that are inherently coherent and comprehensive one-stop solutions are particularly sustainable.

Bright future with system – a future we are especially committed to. This starts by combining different products for a specification that is tailored to the individual project and can be achieved extremely cost effectively by using our mutually compatible standard elements. Depending on the project and requirements, a high degree of individualisation is possible through the development of specific parts by our engineers. These can in turn be efficiently connected to our standard elements – for non-standard facade solutions for example.

Convincing
comprehensive
one-stop solutions



Future with system. We do not simply offer products, we offer coherent solutions in every respect - all as a one-stop service and based on the huge diversity of our products.



The harmonised range of products and problem-solving expertise of Gretschi-Unitas are also the basis for a high degree of transparency in the handling of projects involving joint acceptance by a contact person. And ultimately, our products are convincing due to their exceptional reliability and efficiency when in use – not least due to the committed aftersales support provided by Gretschi-Unitas. This is how we ensure our products are also convincing time and again in the long term.



Project expertise

Inherently compatible solutions

Sustainable system solutions

Securing technology with innovations



For Gretsch-Unitas, innovation means continually opening up new dimensions for customers with products and solutions – for more security, comfort and efficiency.



1924

Patent registered for sliding door hardware

1938

BKS develops the round cylinder – the first modern lock cylinder system

1950

BKS brings the world's first panic lock on to the market

1958

Invention of the Lift&Slide hardware

1979

Development of the GU-SECURITY multi-point locking system



Innovation is a building built on the foundation of a solid tradition. This is why our new solutions provide convincing answers to current challenges in the industry and therefore set the future trends in the international market. At the same time we are continually developing our tried-and-tested products thus securing their active future. After all, our group nurtures a culture of innovation with perspective, which is one of the core values. More than 1,400 patents received up till now for our designs are testament to this. They set standards in the industry – now and in the future.

In-house development is a particular strength of our brands. This is because our experts always think in terms of systems when working on new solutions and products. While they have a full overview of the individual product and its strengths, they also look beyond the product and consider the networking options and potential compatibility with the Gretsch-Unitas solutions world. This culture of development with perspective is possible because the engineers always keep the overall application objectives of our technology – such as security and comfort, barrier freedom and efficiency – in their sights.

This innovative work is reflected by countless inventions by our brands that time and again give the market decisive impulses. This includes our Lift&Slide hardware as well as the SE technology, the BKS round cylinder, the MKS system, the JET Tilt&Turn hardware, the HM-FT sliding door for escape and rescue routes, the GU-SECURITY Automatic multi-point locking and many more. Every one of these innovations is a distinctive module of our product world – and a step forward for us and for our customers.

1989

First electronic ESI cylinder

2005

Internet-based MKS planning and ordering platform for master key systems

2012

SE lock: the first lock-integrated access control

2014

GU house entrance door package – multiple award-winning and VdS-certified

2016

The future of sliding: Tilt&Slide hardware flush with floor, ePower motor-driven Lift&Slide door

Securing technology with in-house production



Expertise down to the last detail, as reflected by the in-house development and production of our products at sites in Germany, France and Slovakia. Just as our customers put their trust in the product quality and guaranteed compatibility of our product range as a one-stop provider, we also put our trust in the outstanding skill and experience of our members of staff. Thanks to them, the indication of origin "Made in Europe by Gretsch-Unitas" has become a label which is renowned worldwide.

We think ahead – particularly also with respect to production at our European sites. Here, efficient modern processes effectively balance the requirements for more complex technology tailored to individual requirements with our high quality expectations. For example, the employees in the assembly area are intelligently supported by the "Pick by Light" system adopted from the automotive industry. This reduces complexity using light signals that provide clear guidance through the assembly process, much in the same way as traffic lights direct road traffic. This leads to the sustained reduction of errors in highly customised manufacturing processes and supports a smooth process flow.

However, the expectation to carry out all production steps ourselves is not just confined to the assembly stage, it also extends to engineering of tools at our in-house workshops and also international logistics. The in-house production at Gretsch-Unitas Group is as well thought out as our products. Our certifications, for environmental compatibility and process quality among other things, also demonstrate this.



Innovative modes of working such as "Pick by Light" system

Our products in their entirety bear the signature of Gretsch-Unitas. After all, a system can only be convincing as a whole if all of its elements are perfectly matched with one another. We therefore only manufacture at in-house facilities in Europe.



Countless certifications
for environmental
and process quality

Label
Made in Europe by
Gretsch-Unitas

Commitment and
identification of staff
members

New opening types and window shapes to cater for the special aesthetics of the facade

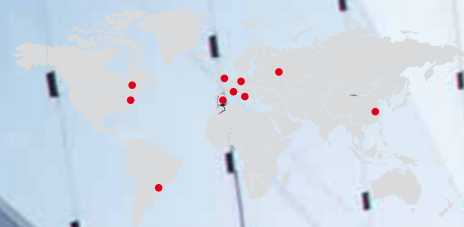
Modern architecture places very high demands on the design and function of facades. We make the corresponding solutions happen in partnership with planners, system houses, metalworkers and fabricators – by using our worldwide tried-and-tested GU standard hardware with innovative components developed in-house for individual projects by our engineers, for example.

Using our system solutions for the facade, aesthetic customised solu-

tions can not only be implemented but also reliably and cost-effectively brought in line with the applicable standards and regulations.

After all, individually designed facades incorporating Gretsch-Unitas technology are not just architecturally appealing, they also satisfy the highest of expectations with respect to functionality, ventilation, thermal insulation and burglar protection.





The Crystal

London, UK

Architect: Wilkinson Eyre /

Pringle Brandon Perkins + Will

Photo: www.siemens.com/presse

Well-equipped escape and rescue routes you can rely on

In emergency situations things need to move fast – and easily. This is why it is crucial to ensure clarity in relation to the operation of escape doors to ensure that escape and rescue routes are safe and reliable. Because human lives depend on their function, we offer our customers harmonised escape door system solutions. They go far beyond just satisfying the minimum requirements prescribed in

the standards. Our smoke and heat exhaust systems (RWA) also satisfy this high standard. These solutions make every building in which they are used a point of reference for Gretsch-Unitas.

After all, these systems offer security and reliability – for the users of the building and architects and planners alike.





Düsseldorf Airport

Opened 1927

Extended/developed 2009 - 2015

Architect: J • S • K Architekten

Photo: Andeas Wiese

Protect valuable objects with access control

Whether an ultra-complex master key system in a commercial building or entrance door lock in a private residence – our products control authorised access to buildings. This combines security and convenience, as Gretsch-Unitas technology works like a good porter: by refusing entry to unauthorised persons and welcoming authorised persons in a courteous manner.

Architects, landlords and safety experts depend on the reliable functions of our products and also on their efficiency and adaptability.

This is because our solution system is all-encompassing and intrinsically compatible and therefore allows the optimum form of access control to be configured for every property and every project.





Bode Museum Island
Berlin, Germany
Architect: Wilhelm von Bode
Photo: Getty Images

Secure entrances and exits – putting more than just a deadbolt in the way of burglars

Windows and doors are sensitive points of any building. Effective protection is only possible through effective interaction of locks, locking technology, hardware and high-quality materials. Gretsched-Unitas solutions allow you to create security with a system; this is because our products make it possible to satisfy the requirements of the burglar resistance classes, from the basic security level through to RC 6.

You can find out which level of protection is advisable in individual cases in our consultation. What's more, mechanical and mechatronic solutions by Gretsched-Unitas combine burglar inhibition with unlimited

convenience – both in new-build and retrofit projects.





The European Central Bank (ECB)

Frankfurt, Germany

Architect: Wolf D. Prix Coop Himmelb(l)au

Photo: Mark Wahrab/ARTUR IMAGES

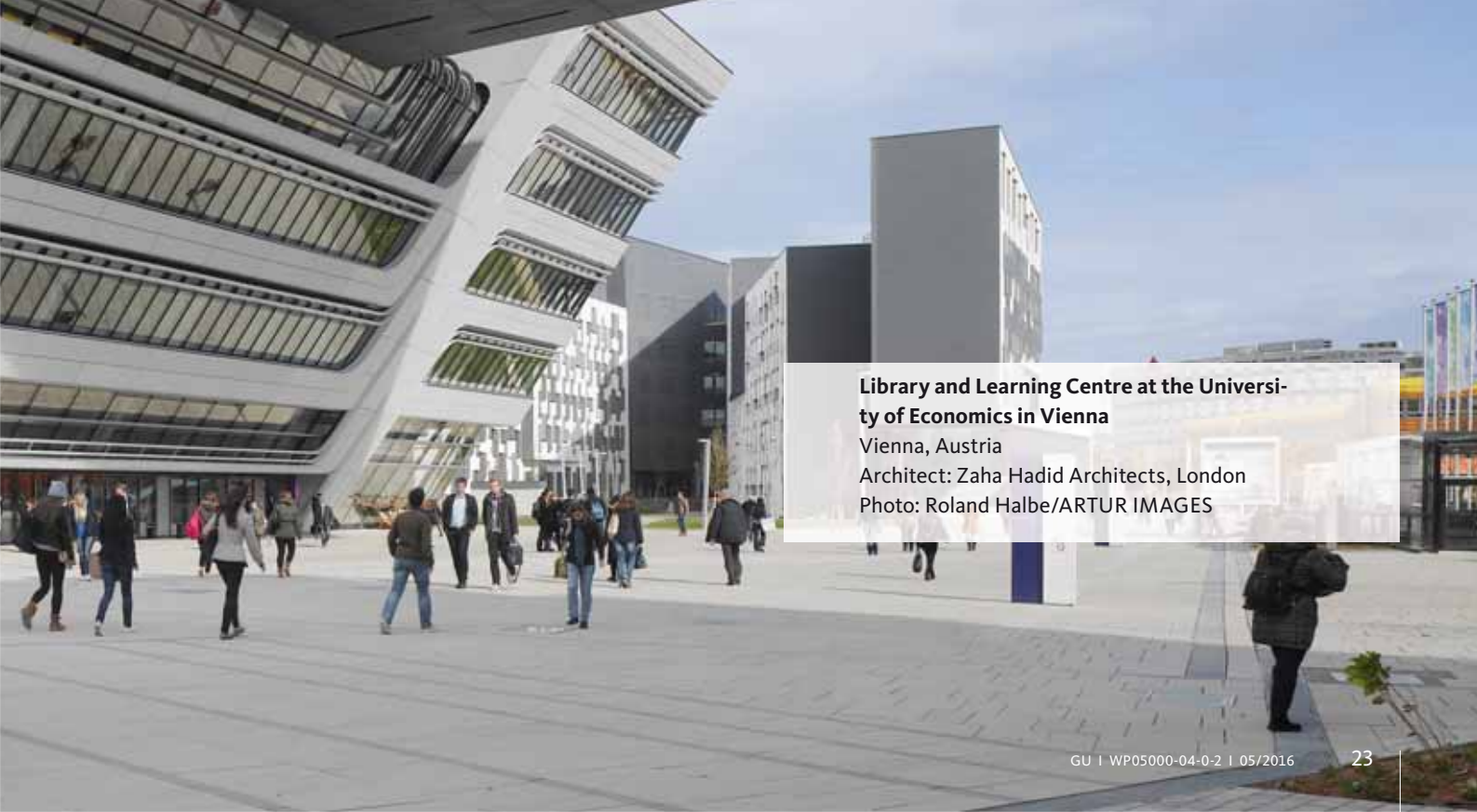
New dimension due to barrier-free construction

Today we are already thinking of tomorrow – and the day after tomorrow: Gretsch-Unitas solutions facilitate aesthetic, convenient and barrier-free design of new-build and conversion projects. This means that, together with our customers, we are opening up the future of the door – in both private and public buildings.

Universal solutions for more convenience: due to the changing demographics, barrier-free construction is fast becoming part of mainstream consciousness. However, this subject does not concern everyone. When

developing new products, we therefore follow the principle of universal design which makes barrier freedom a matter of course for people in all age groups and life situations.





Library and Learning Centre at the University of Economics in Vienna

Vienna, Austria

Architect: Zaha Hadid Architects, London

Photo: Roland Halbe/ARTUR IMAGES

Convenient opening, moving, closing, securing



Window Technology

Effortless tilting, turning, lifting and sliding.

Windows let light and air into buildings, they provide security and keep the cold out. We make sure that these products are convincing in terms of their function, security and aesthetics – for all kinds of window shapes, opening types, profiles and materials. As we have this special systems expertise, we can be your partner – whether you need standard hardware with high quality workmanship or a special solution adapted to individual requirements.



Door Technology

Opening the door to the future.

Doors are interfaces between the inside and outside – or between different rooms. We offer you all products for these important construction elements that cater for all aspects of convenience as well as the requirement for secure opening and closing. We offer a whole world of solutions for doors, ranging from hardware to locking technology and multi-point locking through to digital control. This means we can turn every single door into a system that is perfectly harmonised with the corresponding requirements.



Automatic entrance systems

Shaping the world of entrances.

Entrance systems must be genuine all-rounders: they offer transparency, security and convenience, but also contribute towards energy efficiency and frequently play a role in fire prevention. We have the right solution to meet this challenge: automatic doors with different forms that satisfy the highest expectations in terms of the various functions they perform. Our efficient service assists you when using this range of products to design the optimum system for your project.



Building management systems

Overview of the entire system.

How, what, who and when? An efficient building management provides compelling answers to these questions with ingenious control and monitoring of processes. Although many of the core requirements are the same for all projects, they are also equally diverse when it comes to detailed implementation, from computing centres to football stadiums through to prisons. We know requirements and processes and give you systematic tailor-made solutions.



Securing technology for you

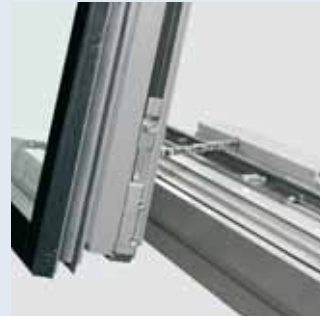




Window Technology



Photo: Getty Images



Door Technology





Project-wide compatibility

- Hardware for the facade
- Tilt&Turn hardware
- Tilt&Slide hardware
- Parallel-Slide hardware
- Fold&Slide hardware
- Lift&Slide hardware
- Horizontal-Pivot hardware
- Vertical-Pivot hardware
- Fanlight opening systems
- RWA / NSHEV and ventilation systems
- Manual ventilation systems

- Mortise locks
- Multi-point locks
- Locking systems
- Door hardware
- Door hinges
- Door closers
- Escape door system solutions
- Access control systems
- Construction accessories
- Thresholds





- Sliding doors
- Swing-door drives
- Revolving doors
- Controlled physical access
- All-glass sliding panels

The GEMOS physical security information management system offers the following industry solutions:

- Prisons
- DatacenterControl
- ArenaControl
- LogisticControl

Securing technology for you





Automatic entrance systems



Building management systems



Quality and qualifications go hand-in-hand. Highly qualified people are working for Gretsch-Unitas worldwide – with passion and commitment.



Gretsch-Unitas is a family-run, internationally active group of companies. Employees benefit from our extensive range of qualification and further training offerings. Our good working atmosphere, sense of social responsibility and open communication ensure a high degree of motivation and above average periods of continuous employment. The loyalty of the employees to the company reflects a satisfaction which comes from the opportunity to take responsibility and be involved in the organisation of tasks. Mutual appreciation, flat hierarchies and a good culture of communication further enhance this level of satisfaction. We are particularly concerned with providing consistent encouragement and support to employees throughout their professional life. This starts from the initial stages of their carrier at the

company – with training or dual studies for example. Their knowledge and ability is continuously expanded and updated with advanced training and further education. Everyone gets actively involved, sharing experiences and ideas, in order to optimise work processes, and increase quality and cost efficiency. Every idea takes the company forward and is reflected in the production.

There are many opportunities available to the various German and European production sites or sales companies for working worldwide.

We see ourselves as a team in which each member counts. We nurture and practise team spirit. Every day. Everywhere.

From
trainee to manager

More than 3,500
qualified employees
worldwide



Flat hierarchies
and a good culture of
communication

Continuous
advanced training and
further education

Many opportunities
to enrol in training
and studies



Our story is the key to the success of the Gretsch-Unitas Group – today and in the future. It is a story of successful endeavours to produce technology offering convenience, security and efficiency.

The name Gretsch-Unitas is derived from the names of the company founder Viktor Gretsch and the UNITAS metalware factory where the successful Unitas Horizontal-Pivot windows were manufactured. The street in which the group headquarters has been located since the 1970s was named after the

managing director and co-partner Johann Maus. Today, the Gretsch-Unitas Group is managed by the brothers Julius and Michael von Resch in the third generation. In the 1920s and early 1930s, the company developed more than 120 patents and distributed its products across the whole of Europe. After difficult times, the



Viktor Gretsch founds Hermann Gretsch GmbH and the UNITAS metalware factory

1907



Gretsch Unitas acquires shares in FERCO, France's biggest manufacturer of architectural hardware

1975



BKS, the best known German manufacturer of door technology, is integrated into the group.

1983

1903

Founding of company Boge & Kasten, Solingen (BKS)

1910

Johann Maus becomes Managing Director and partner

1981

Founding of AGENA GmbH for data processing



2000

Takeover of ela-soft, the developer of the successful GEMOS building management software





company was successfully reconstructed and relocated from Stuttgart to Ditzingen. In the mid seventies, the company expanded to a group: first, by acquiring FERCO, the French manufacturer of architectural hardware, and later through the acquisition of the leading lock brand BKS and by establishing its own service

providers. Thus, a powerful group has emerged that offers compatible high-quality products as a system provider covering the entire product spectrum. We consider this history which goes back more than a hundred years to be proof of our future viability.

We invest and develop, we respond to the demands of the market and think ahead: in the meantime we have been granted more than 1,400 patents. Our tradition of finding solutions has remained unchanged until today.



Integration of ATS GmbH (today: GU Automatic GmbH and GU Service GmbH & Co. KG) as well as Tür + Tor Service GmbH & Co. KG

2001

Brand with tradition: 100 years of BKS GmbH

2003

Brand with tradition: 100 years of Gretsch Unitas GmbH Baubeschläge

2007

Introduction of new brand presence of GU Group with umbrella and system brands

2011

2001

Founding of Gretsch Unitas Logistik GmbH

2006

BKS awarded "German brand of the century"

2008

GU Slovensko Works in Nitra opens





Exclusion of liability

Although we have made every attempt to ensure the information provided here is accurate, it is non-binding. It should be adapted to the respective construction projects, usage and specific on-site demands.

The publication has been compiled to the best of our knowledge. The Gretsch-Unitas Group accepts no liability for any errors. The document is subject to modifications during the course of technical developments.

The product images shown in the publication may differ from the actual product.

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