

Access to a sustainable future

Access Hardware Solutions by dormakaba



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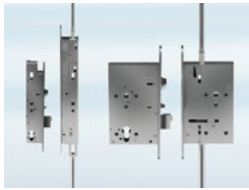
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BTS 80, BTS 80 EMB, RTS 80 EMB

Think tomorrow

We are committed to championing sustainability in everything we do, from producing more sustainable solutions to help our customers lessen their environmental footprint to being a fair and responsible employer and neighbor.

We work together with internationally acknowledged organizations to make it happen. For every place that matters.

Memberships



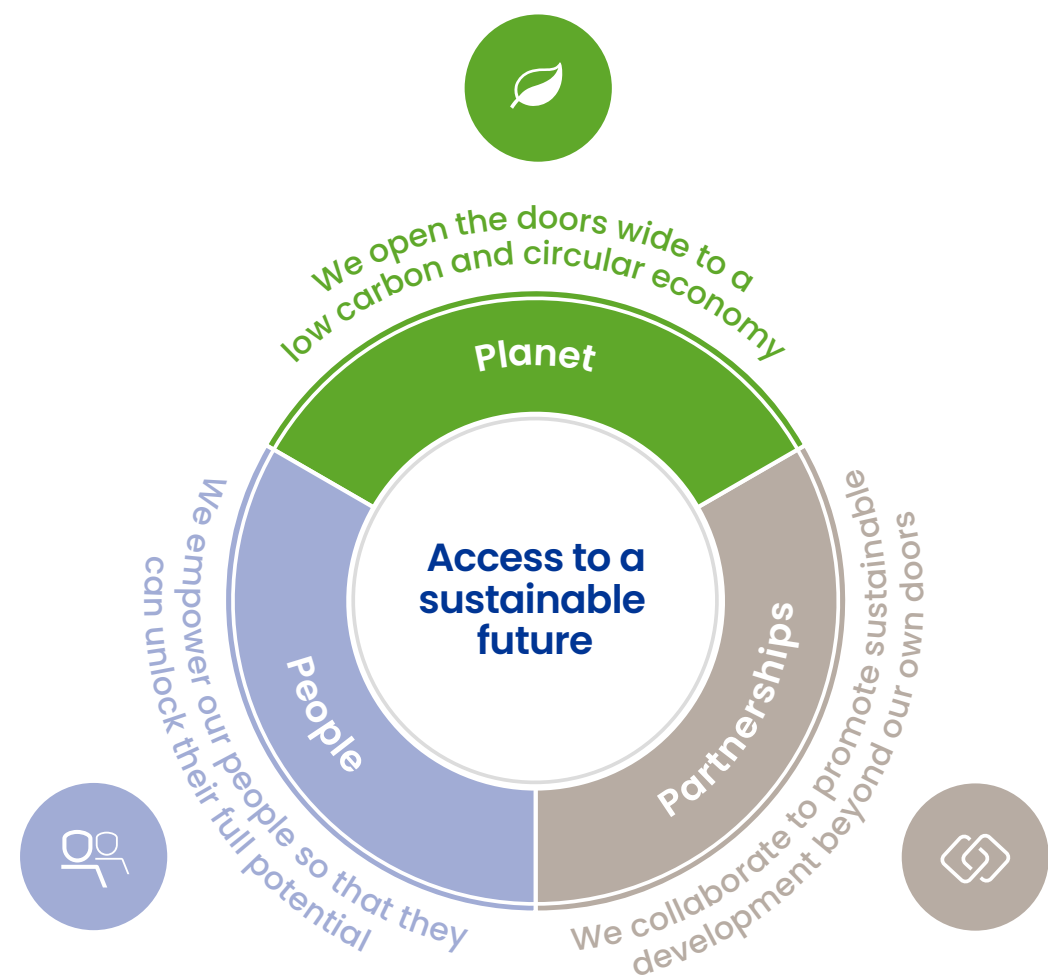
External ratings & reporting partners



Shaping a sustainable future

We are aware of our customers’ increasing demand for more sustainable products. To respond to the needs and expectations of our society and customers, we put sustainability at the core of our vision, which underlines our long-term commitment to shaping a more sustainable industry and future.

dormakaba demonstrates leadership in many areas of sustainability and drives a sustainable development in the access solutions market. Our sustainability framework is in line with all material topics, which are aligned to three Pillars: People, Planet and Partnerships.



Scan the QR code or click here for more information about our sustainability framework



People

We empower our people so that they can unlock their full potential

Aim

We create a fair, inclusive and safe culture which enables our employees to thrive. We provide a workplace where they can continuously grow, openly contribute with their ideas and feel proud of their achievements.

- Material topics**
- Fair Employment
 - Training & Education
 - Diversity & Inclusion
 - Occupational Health & Safety

UN SDGs

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

8 DECENT WORK AND ECONOMIC GROWTH

Key targets

1 in 3 managers are women	
Target year	2027
Baseline FY 20/21	19%



Planet

We open the doors wide to a low carbon and circular economy

Aim

We develop innovative and resource efficient solutions for the circular economy and do our part to ensure a climate resilient future. We offer durable and energy efficient products that help our customers achieve their own sustainability goals.

- Material topics**
- Energy & Emissions
 - Circular Economy & Materials
 - Environmental Compliance

UN SDGs

7 AFFORDABLE AND CLEAN ENERGY

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

Key targets

Reduce operational emissions 42% in line with a 1.5°C future	
Target year	2030
Baseline FY 19/20	74,770 tCO ₂ e*
Reduce value chain emissions from purchased goods & services, and the use of sold products by 25%	
Target year	2030
Baseline FY 19/20	1,124,936 tCO ₂ e*
All new product developments and optimizations are covered by our circularity approach	
Target year	2023

*Baseline FY 2019/20 in line with Science Based Targets initiative validation



Partnerships

We collaborate to promote sustainable development beyond our own doors

Aim

We lead by example and engage with our partners to drive more eco-friendly practices and support the protection of human rights. Through our secure access solutions, we also contribute to people’s health and safety.

- Material topics**
- Supplier Sustainable Development
 - Human Rights
 - Customer Health & Safety

UN SDGs

3 GOOD HEALTH AND WELL-BEING

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

Key targets

Assess all high-risk suppliers for their sustainability management by a third-party or off-board them for lack of participation	
Target year	2027
Baseline FY 20/21	10%

We open the doors wide to a circular economy

We focus on accelerating circular solutions and enable our customers to sustainably create value throughout the building life cycle.

Transition towards a circular economy

The building sector consumes more than half the world's virgin resources and accounts for nearly a third of solid waste streams¹. All actors in the industry have a clear responsibility to reduce this impact in their own area of influence.

In a circular economy, buildings are designed to optimize energy and resources, reuse and recycle whenever possible while minimizing or eliminating waste. For a healthier planet, human populations, and economies, boldly embracing the circular economy is the only way forward.

Sustainability by design

As a leading manufacturer, dormakaba is committed to incorporating the latest product life cycle approaches and environmental technologies to continuously advance our product development, and improve our own, as well as our customers' sustainability performance. Because we know that over 80% of all product-related environmental impacts are determined during the design phase of a product, we have developed a comprehensive circularity approach. As of 2023, all new product developments will need to follow minimum criteria in line with it.

¹ United Nations Environment Programme (2020) 2020 Global Status Report for Buildings and Construction: towards a Zero-emission, Efficient and Resilient Buildings and Construction Sector, Global Status Report.

More durability, less waste

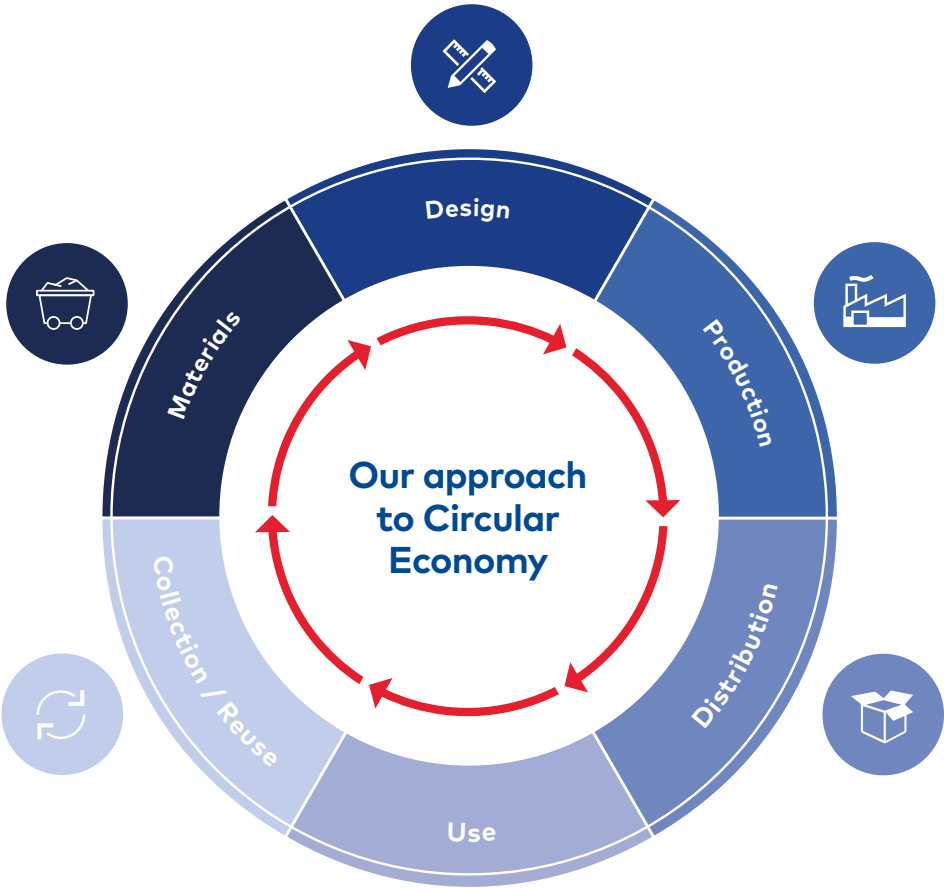
Durability is essential in the sustainable built environment. Our products have a long life span of up to 20 years, which means fewer replacements, fewer resources needed and fewer costs for our customers. Quite simply, the longer you can use a product, the better. In our design process we aim to extend the service life of our products through analysing for structural weak points of predecessor models and eliminating them, avoiding adhesive bonds to improve disassembly and repairability, using detachable connections and ensuring backwards compatibility, among others.

Our aim is to ensure that our products and components can be **reused**, **repaired**, or **reintroduced** as raw materials back into the manufacturing cycle.

Greener materials

As part of our circularity approach, we have also set minimum requirements for recycled content for the materials we select for our products. Besides leading to a lower carbon footprint, the increased use of recycled content will help customers earn credits for green building certification.

We are also moving to use only **Forest Stewardship (FSC)-certified sources** for all paper, wood and carton, which also serves customers in getting green building credits.



Scan the QR code or click here for more information about circular economy and materials.



Design

- Design for long life span
- Design for energy efficiency in the use phase
- Design for repair / reuse / recycling
- Life Cycle Assessment optimization



Production

- Material and energy efficient production
- Use of renewable energy sources
- Avoid and reduce toxic materials
- Scrap recovery



Distribution

- Reduce packaging material
- Avoid plastic packaging
- Use recycled packaging material
- Use FSC certified paper, wood and carton



Materials

- Compliance with materials restrictions and regulations
- Use of renewable / recycled raw materials
- Substitution of rare materials



Collection / Reuse

- Take back programs
- Customer information on recycling



Use

- Leasing / production as a service
- Upgrade / repair services
- No toxic exposures (i.e. low VOCs, formaldehyde)
- Customer information on sustainability features

Growing need for green buildings

More transparency along the products' whole life cycle



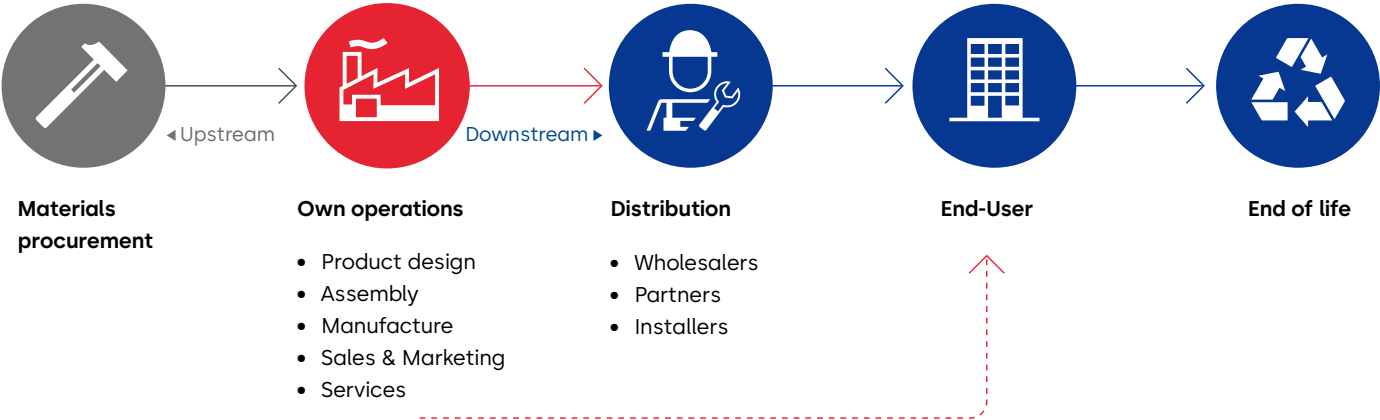
Scan the QR code or click here for more information about our sustainability product declaration.

Life cycle assessment (**LCA**) is a standardized methodology for assessing environmental impacts associated with all stages of the product's life cycle, from materials extraction to the end of life of the product. Using this information, we are able to develop Environmental Product Declarations (**EPDs**), that help our customers gain credits for green building certification programs.

Green building certification systems - including **LEED** (Leadership in Energy and Environmental Design), **BREEAM** (Building Research Establishment Environmental Methodology) and **DGNB** (Deutsche

Gesellschaft für Nachhaltiges Bauen, German Sustainable Building Council) - help customers ensure that a building is designed and constructed in a sustainable way incorporating products with EPDs.

Our EPDs are based on international standards and verified by a third-party ensuring that the information used is transparent, reliable and credible. We currently offer over 200 sustainability related product declarations and certifications.



Why your building's Life Cycle Assessment matters



Reducing environmental impact

According to the United Nations Environment Programme, buildings and construction contribute to almost 40% of global carbon emissions. It is with this in mind that architects, contractors, and manufacturers are increasingly committing themselves to **sustainable design** and practicing **sustainable business**. LCA provides the stakeholders with invaluable information on a building's environmental blindspots, which can help them to address potential issues like carbon emissions, waste or energy flows.



Saving costs

Enabling the property developers to gain a bird's eye perspective over all aspects of their projects, **LCA can dramatically cut costs** in both the short and long term. One important detail of a building as such is its energy use. Unless optimized systematically, energy use can eat up a bulk of resources during both the construction process and beyond. Utilizing a combination of product data, LCA can also help the developers to compare different products and materials with the same outcomes to pick the most cost effective option.



Speaking one language

Trying to sift through the mountains of product and building data can be overwhelming for architects and developers, leading to misunderstandings and errors. In complex projects with much to oversee, LCA provides a **standardized process** to assist all the team members to speak one language about the building's environmental impact - regardless of the number of components built into it. With this methodology, it's possible to streamline communication between colleagues and to boost understanding on how the building fits into the **urban ecosystem**.



Making future-oriented decisions

LCA provides a scientific system for stakeholders to make the best decisions about their buildings and tackle many challenges that arise during, before and after construction. The demand for LCA is on the rise due to the accelerating environmental concern. In the construction industry, its already been standardized by use of **EPDs**. Several **green building certification** schemes give building planners credits for providing EPDs for their selected construction products.



Environmental impact factsheets

ITS 96 Door closer

Key Figures

Lifetime per unit: 20 years
Weight per unit: 2.7 kg
Production location: Ennepetal, Germany

Production standards

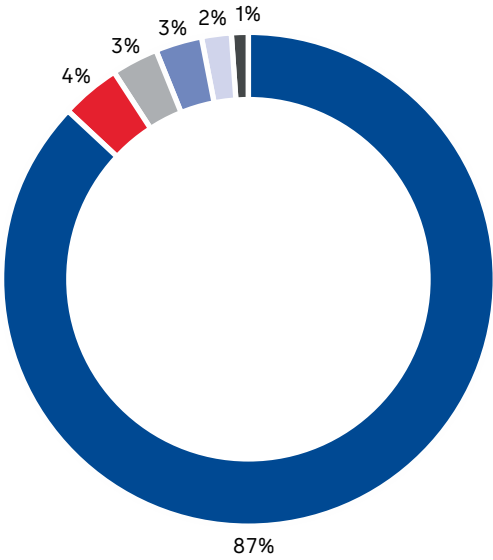
Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified	ISO 5001 certified	✓

Product declarations

Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✓	✓	✓	

Material used (%)

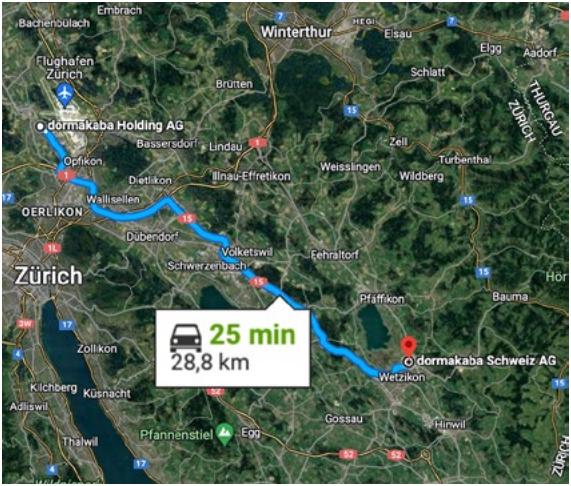
Steel Oil Paint Paper
Zinc Plastics



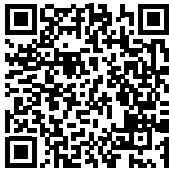
¹Carbon dioxide equivalent (CO₂e) is the universal unit of measurement to indicate the global warming potential (GWP) of each of the six greenhouse gases, expressed in terms of the GWP of one unit of carbon dioxide. It is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.

The GWP¹ across the life cycle is 4 kg CO₂e

This is similar to the CO₂ produced from a road trip with a diesel mid-range car from Rümmlang to Wetzikon



Scan the QR code or click here for more information about sustainability



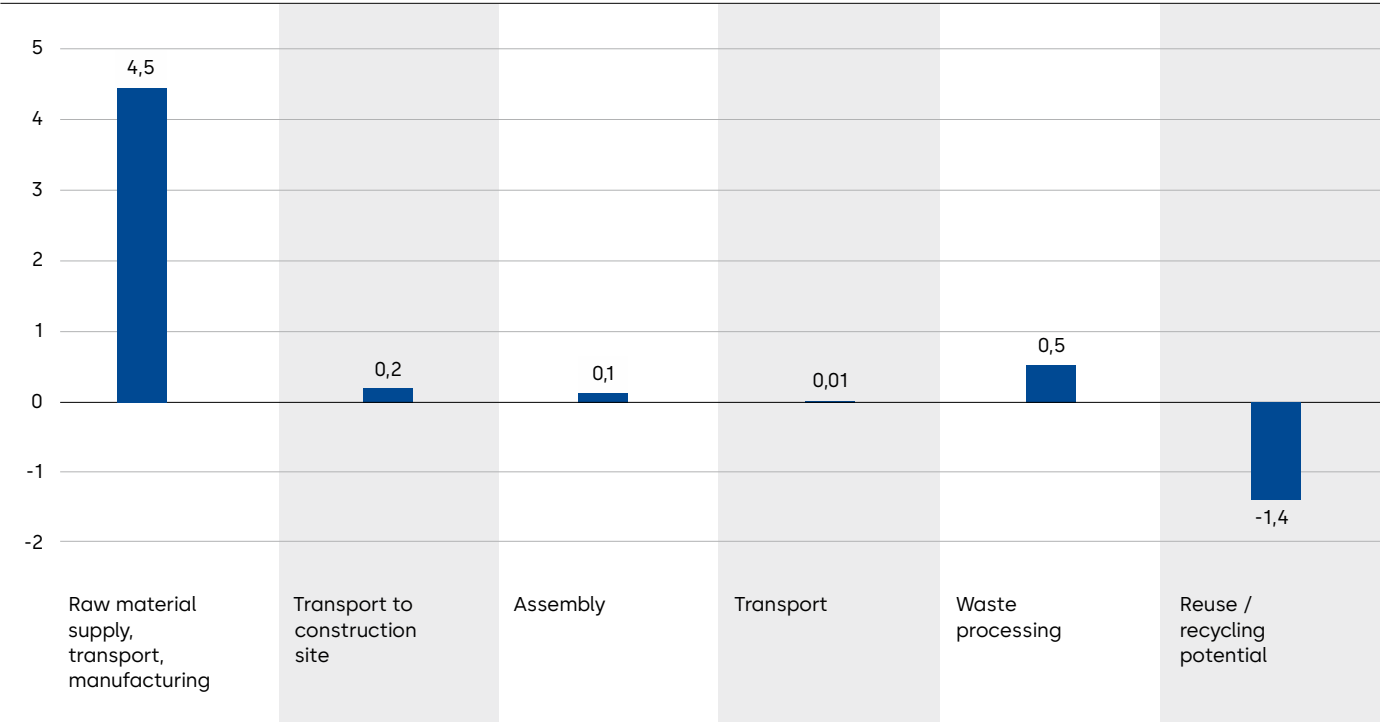
Scan the QR code or click here for more information about our sustainability product declaration.



Description

The integrated ITS 96 slide channel door closer system is a modular and multifunctional system comprising only with a few door closer models and various slide channels which complies with many functional requirements. The dormakaba ITS 96 door closer is designed for concealed installation in the door leaf and frame. Suitable for almost every type of door, it offers a wide variety of functions and flexibility combined with a high level of quality. Because of its compact design, the ITS 96 system can be concealed for virtual invisibility within the door and frame, integrating inconspicuously with the overall architectural ambience.

Total Global Warming Potential per life cycle stage (kg CO₂e)



SVx 2000(F) Motor Locks

Key Figures

Lifetime per unit: 20 years
Weight per unit: 0.99 kg
Production location: Ennepetal, Germany

Production standards

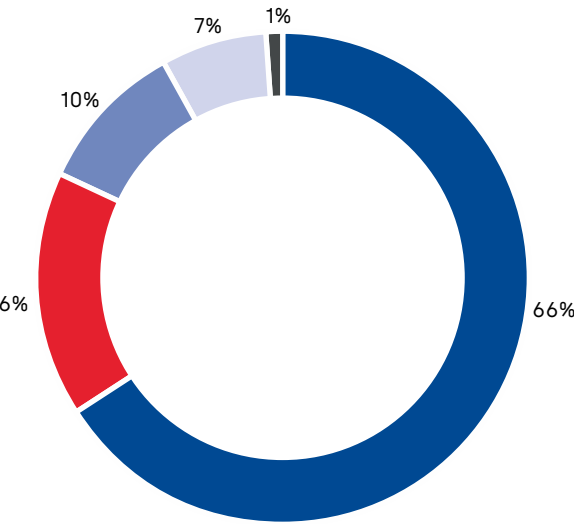
Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified	ISO 5001 certified	✓

Product declarations

Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✓	✓		

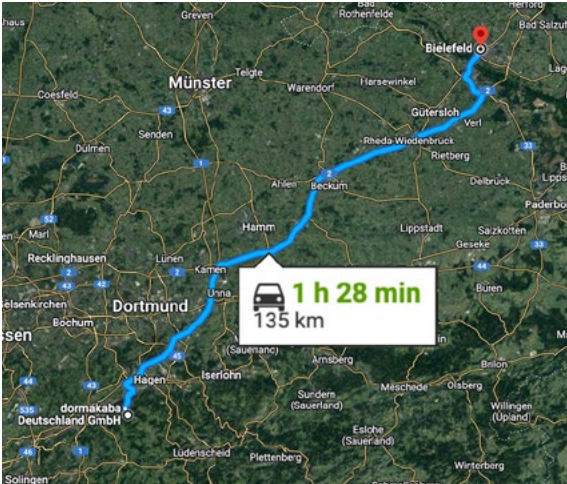
Material used (%)

■ Steel ■ Stainless steel ■ Paper
■ Electronic ■ Plastics



The GWP¹ across the life cycle is 44 kg CO₂e

This is similar to the CO₂ produced from a road trip with a diesel mid-range car from Ennepetal to Bielefeld



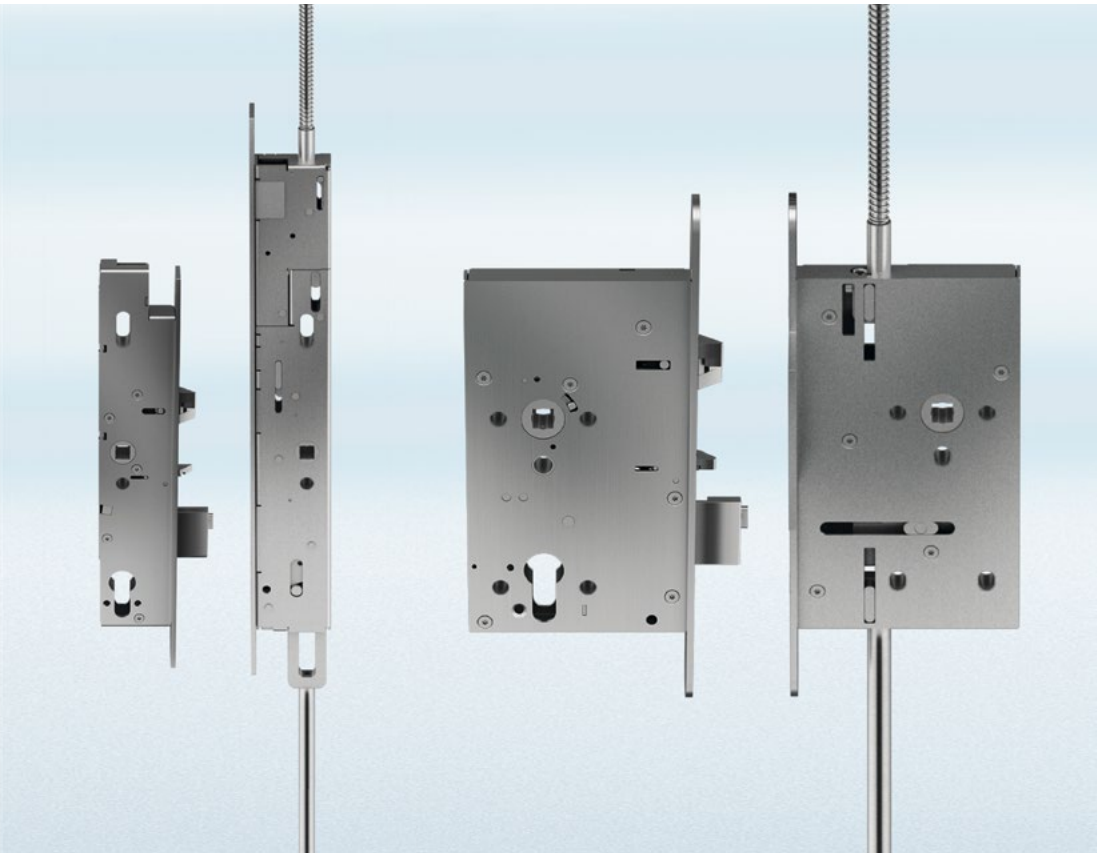
¹Carbon dioxide equivalent (CO₂e) is the universal unit of measurement to indicate the global warming potential (GWP) of each of the six greenhouse gases, expressed in terms of the GWP of one unit of carbon dioxide. It is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.



Scan the QR code or click here for more information about sustainability



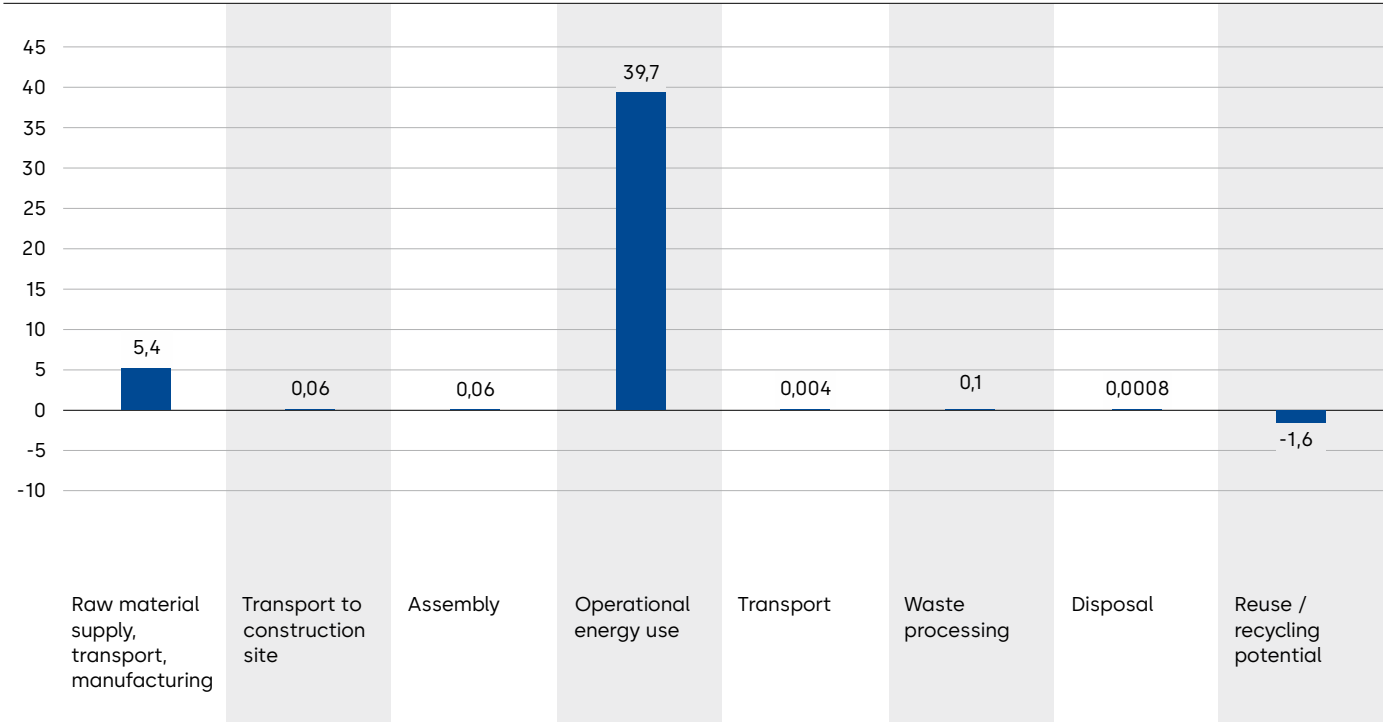
Scan the QR code or click here for more information about our sustainability product declaration.



Description

The new generation of dormakaba SVP emergency escape locks is ideally suited for use in emergency exits and escape routes, as well as in fire and smoke doors. Any door can be safely protected with the emergency escape function and the self-locking action.

Total Global Warming Potential per life cycle stage (kg CO₂e)



TS 98 XEA

Door closer including slide channel G-N

Key Figures

Lifetime per unit: 20 years
Weight per unit: 5.9 kg

Production location: Ennepetal, Germany

Production standards

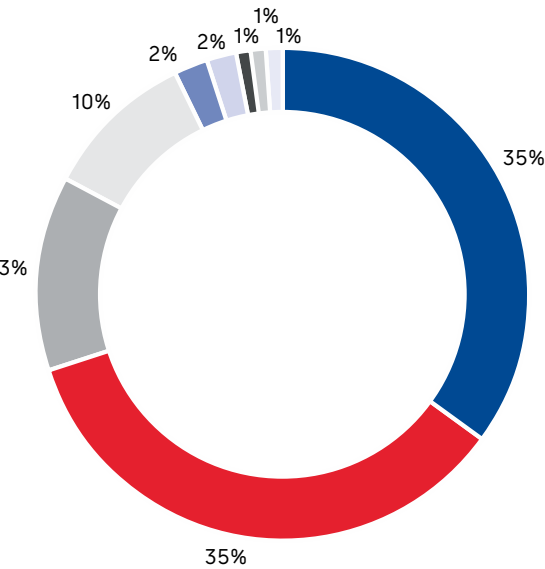
Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified	ISO 5001 certified	✓

Product declarations

Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✓	✓	✓	

Material used (%)

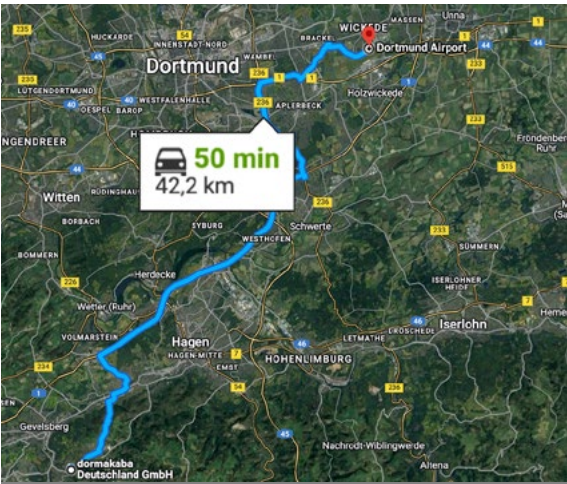
■ Iron ■ Steel ■ Aluminium ■ Paper ■ Zinc
■ Oil ■ Brass ■ Plastics ■ Paint



¹Carbon dioxide equivalent (CO₂e) is the universal unit of measurement to indicate the global warming potential (GWP) of each of the six greenhouse gases, expressed in terms of the GWP of one unit of carbon dioxide. It is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.

The GWP¹ across the life cycle is 10 kg CO₂e

This is similar to the CO₂ produced from a road trip with a diesel mid-range car from Ennepetal to Dortmund airport



Scan the QR code or click here for more information about sustainability



Scan the QR code or click here for more information about our sustainability product declaration.



Description

The centerpiece of the TS 98 XEA slide channel door closer system is the heart-shaped cam. Together with the innovative, hydraulic functions, the TS 98 XEA system's unique Cam Action Technology makes it very comfortable to pass through the door. The door closer system in XEA design can be used for all installation types. As a result, the number of product variants and complexity in installation is reduced while simultaneously increasing flexibility at the construction site.

Total Global Warming Potential per life cycle stage (kg CO₂e)



pextra+, pextra Q, pextra, AP2000

Serrated double cylinder

Key Figures

Lifetime per unit: 15 years
Weight per unit: 0.26 kg

Production location: Eggenburg, Austria

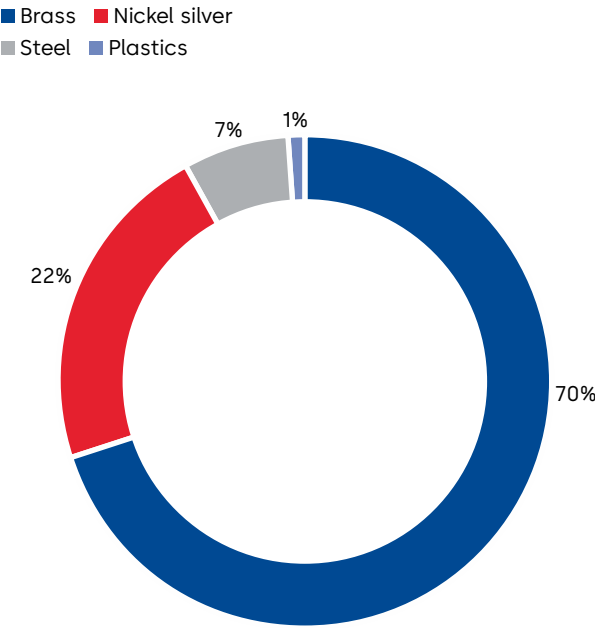
Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified		

Product declarations

Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✓	✓		

Material used (%)



The GWP¹ across the life cycle is 0.7 kg CO₂e

This is similar to the CO₂ produced from a road trip with a diesel mid-range car from Rümlang to Zürich airport



¹Carbon dioxide equivalent (CO₂e) is the universal unit of measurement to indicate the global warming potential (GWP) of each of the six greenhouse gases, expressed in terms of the GWP of one unit of carbon dioxide. It is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.



Scan the QR code or click here for more information about sustainability



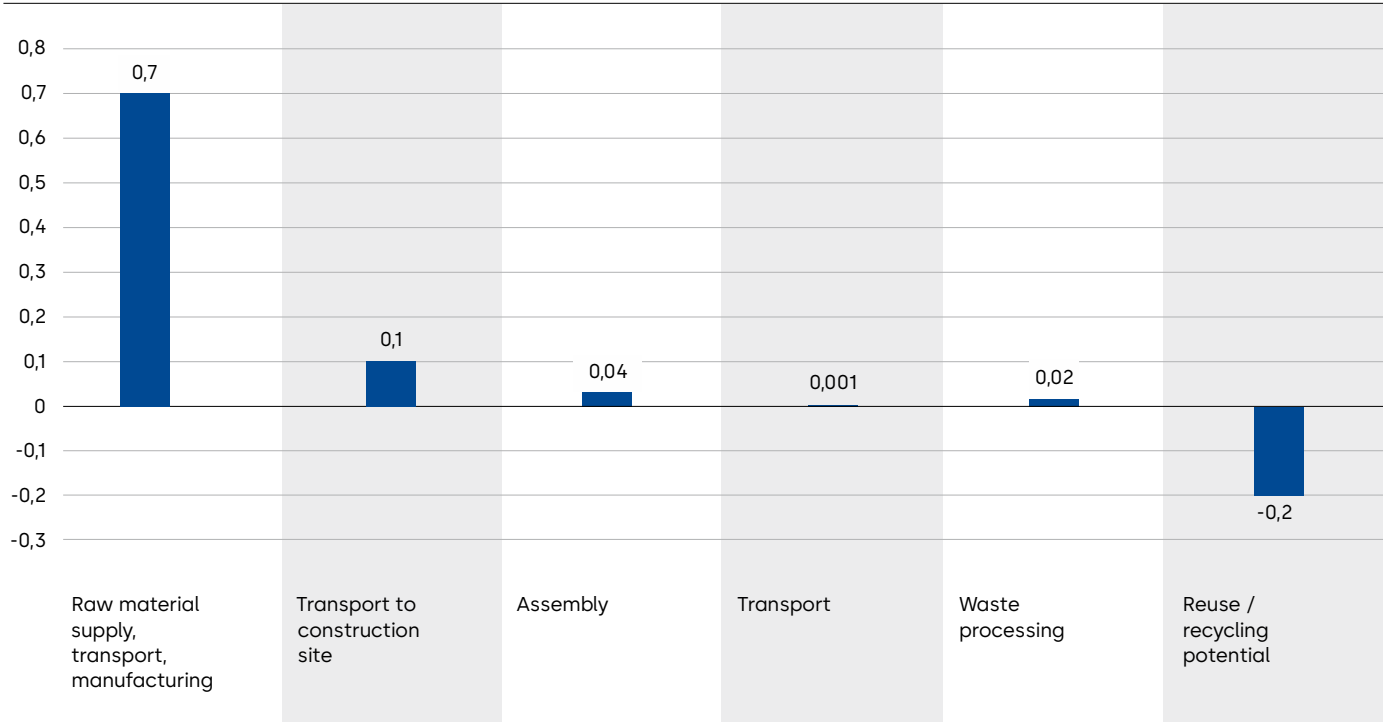
Scan the QR code or click here for more information about our sustainability product declaration.



Description

pextra+, pextra Q, pextra and AP2000 are serrated master key systems representing the high-quality segment. Furthermore, pextra+, pextra Q and pextra are patented and offer legal protection against commercial imitation. Duplicate keys are only made by dormakaba itself or by authorized partners and require identification by means of a security card.

Total Global Warming Potential per life cycle stage (kg CO₂e)



BTS 80, BTS 80 EMB, RTS 80 EMB Series door closers

Key Figures

Lifetime per unit: 20 years

Weight per unit: 6.1 kg

Production location: Singapore

Production standards

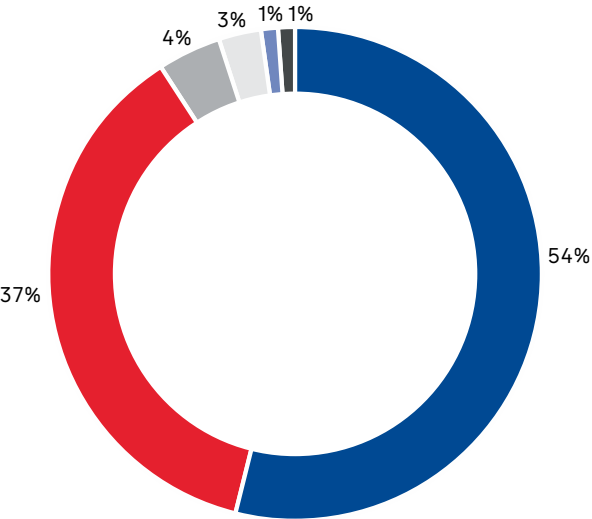
Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified		ISO 5001 certified	

Product declarations

Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✓	✓	✓	

Material used (%)

■ Iron ■ Steel ■ Oil
■ Zinc ■ Brass ■ Other



The GWP¹ across the life cycle is 19 kg CO₂e

This is similar to the CO₂ produced from a road trip with a diesel mid-range car from Dubai Al Qusais Industrial Area to Dubai airport



¹Carbon dioxide equivalent (CO₂e) is the universal unit of measurement to indicate the global warming potential (GWP) of each of the six greenhouse gases, expressed in terms of the GWP of one unit of carbon dioxide. It is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.



Scan the QR code or click here for more information about sustainability



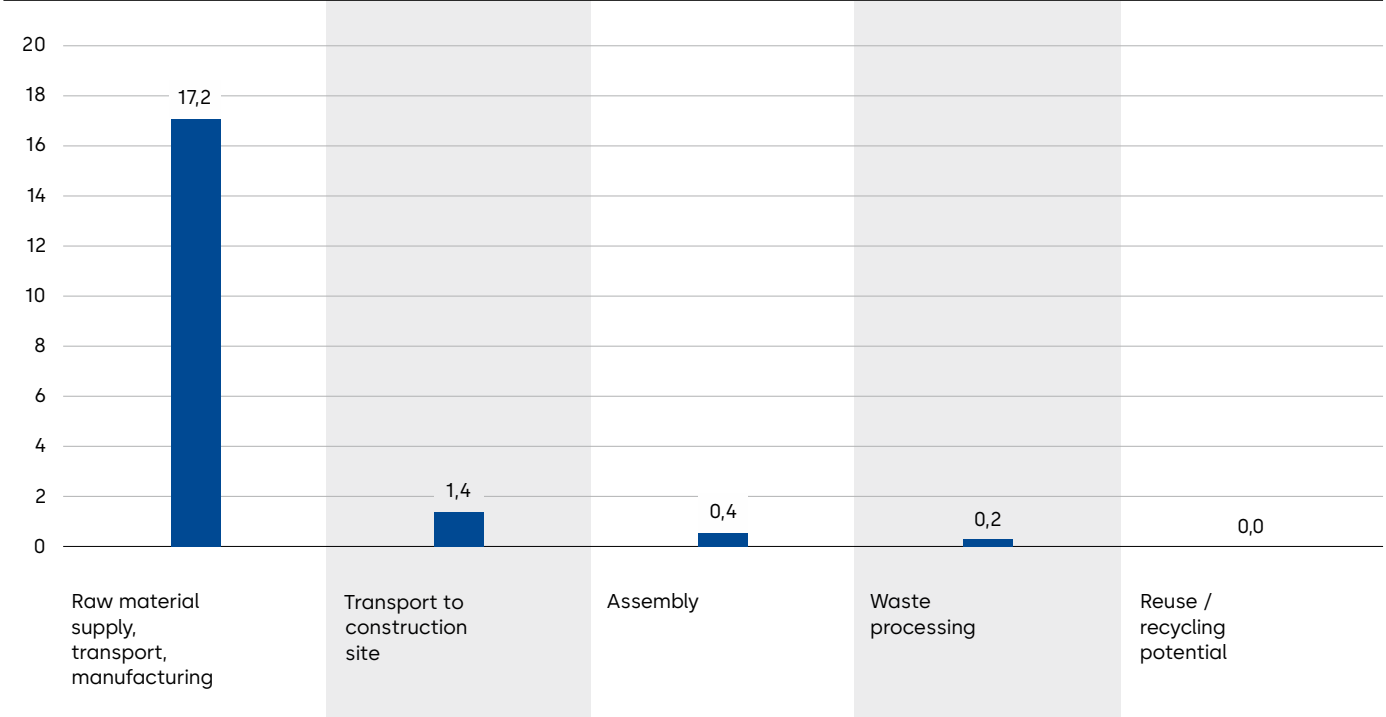
Scan the QR code or click here for more information about our sustainability product declaration.



Description

dormakaba's BTS 80, BTS 80 EMB and RTS 80 EMB Series of concealed door closers represent the latest in builders hardware technology. The closers can be used in a number of different configurations, including standard, narrow, or wide doors, as well as left-hand and right-hand single- or double-action mounting (both single and double leaf doors, including double leaf doors in combination with a BSR door coordinator).

Total Global Warming Potential per life cycle stage (kg CO₂e)



Gain insights into the world of access

Offering a great selection of articles discussing the latest trends and topics in the industry.

Our experts are dedicated to exploring the most engaging stories about topics that shape the Access Industry. Topics that matter – from demographic changes, through the latest technological advancements to realizing the most incredible architectural visions.



blog.dormakaba.com

About dormakaba Group

dormakaba is a leading global provider in the access solutions market. The company reimagines access by setting industry standards for smart systems and sustainable solutions across the lifecycle of a building. Around 16,000 employees worldwide provide their expertise to a growing customer base in more than 130 countries.

dormakaba supports its customers with a broad, innovative portfolio of integrated access products, solutions and services that easily fit into building ecosystems to create safe, secure and sustainable places where people can move around seamlessly.

dormakaba is listed on the SIX Swiss Exchange and is headquartered in Rümlang near Zurich (Switzerland). It generated a turnover of CHF 2.8 billion in financial year 2021/22.

SIX Swiss Exchange: DOKA

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