dormakaba

Access to a sustainable future

Access Control Solutions by dormakaba

Table of contents

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.

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

Planet

Access to a sustainable future

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

People

Partnerships

We collaborate to promote sustainable development beyond our own doors
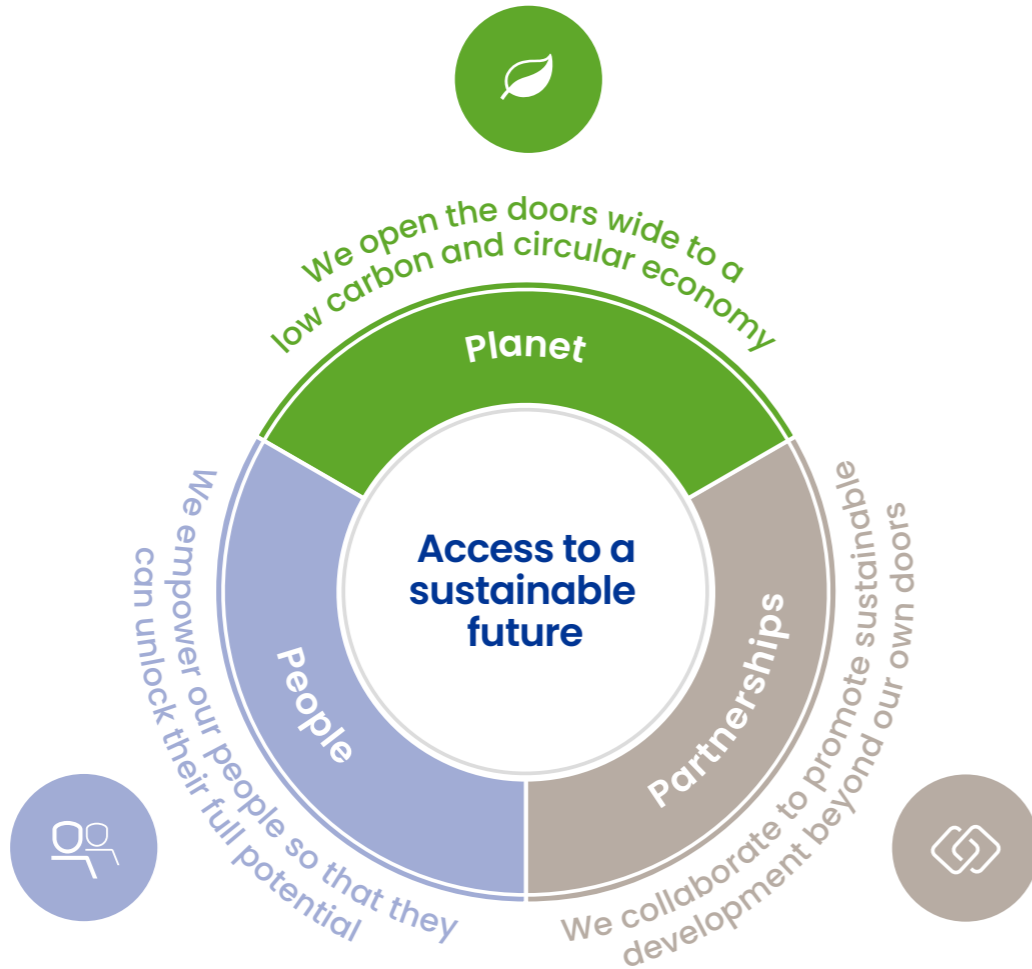
Scan the QR code or click here for more information about our sustainability framework

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 streams[1]. 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.
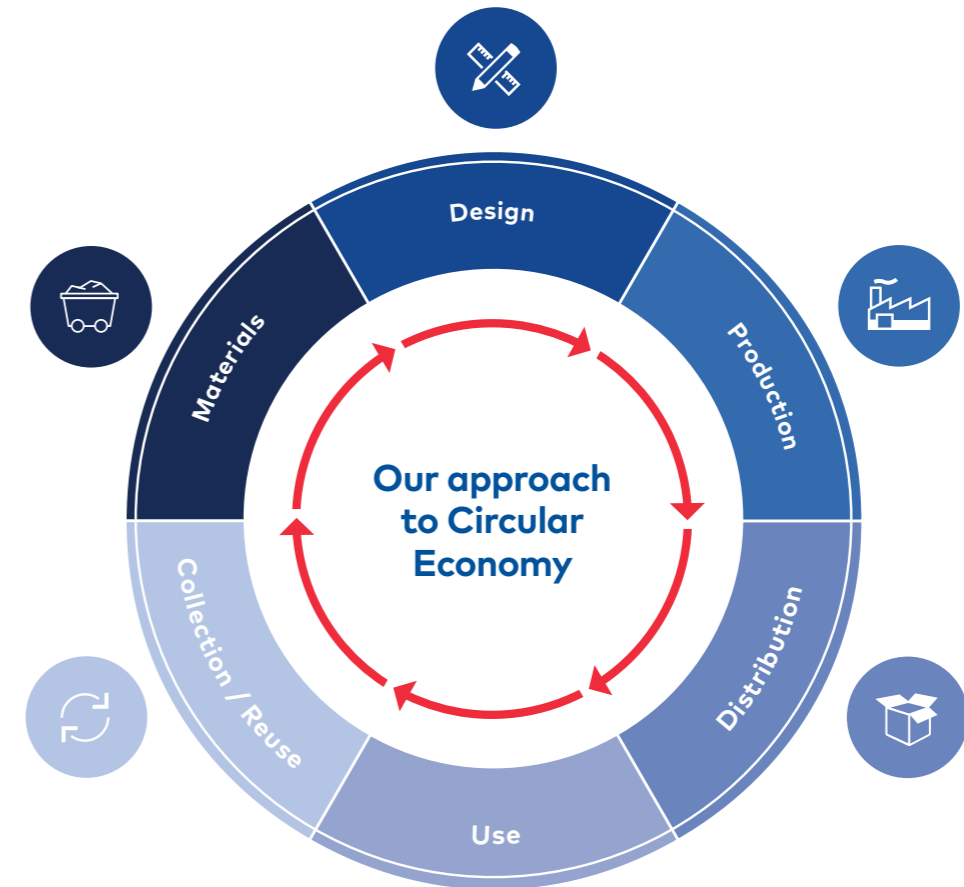
Scan the QR code or click here for more information about circular economy and materials.

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

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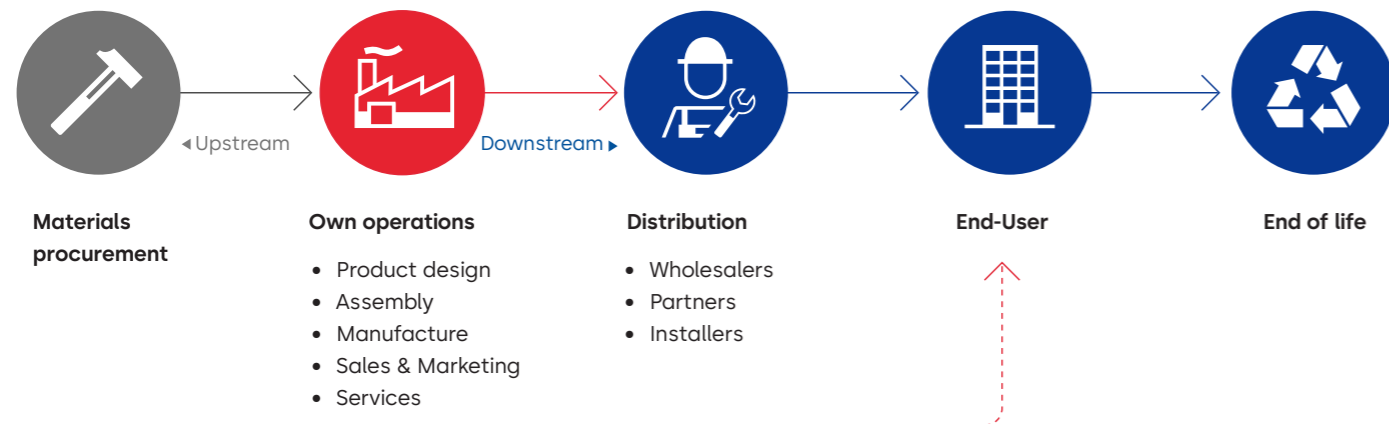
Green building certification systems - including **LEED** (Leadership in Energy and Environmental Design), **BREEAM** (Building Research Establishment Environmental Methodology) and **DGNB** (Deutsche

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.

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

Materials procurement ◄ Upstream

Own operations Downstream ►
- Product design
- Assembly
- Manufacture
- Sales & Marketing
- Services

Distribution
- Wholesalers
- Partners
- Installers

End-User

End of life

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

SafeRoute
Escape route security system

Key Figures

Lifetime per unit: 10 years
Weight per unit: 5.3 kg
Electricity use per year: 21 kWh
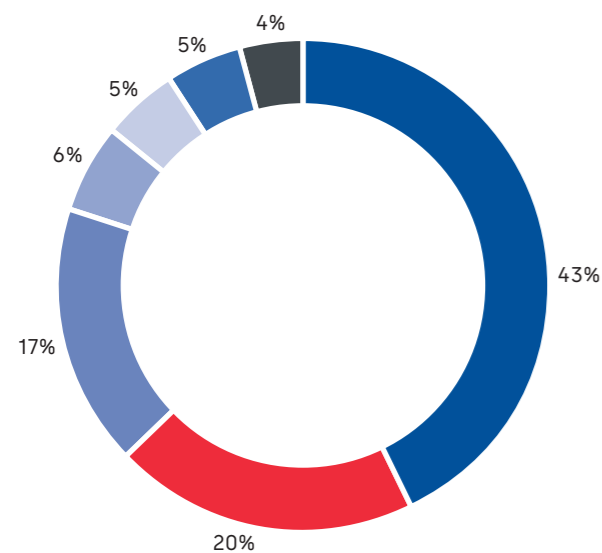**Production location:** Ennepetal, Germany

Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified	ISO 50001 certified	✔

Product declarations

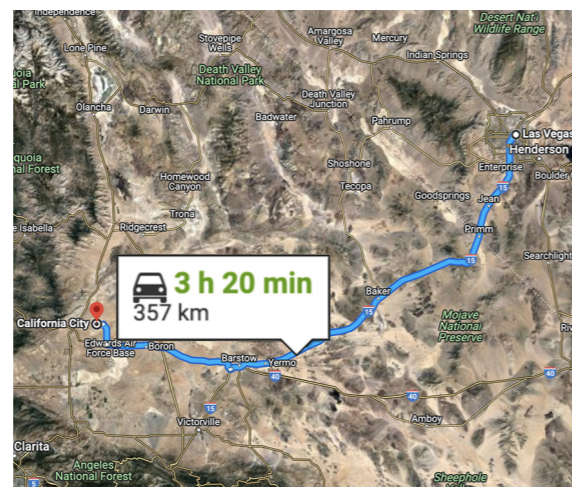| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔	✔		

Material used (%)

- Steel
- Paper
- Zinc
- Aluminium
- Plastics
- Electronics
- Primer and paint

43%
20%
17%
6%
5%
5%
4%

The GWP[1] across the life cycle is 104 kg CO$_2$e

This is similar to the CO$_2$ produced from a road trip with a diesel mid-range car from Las Vegas to California

3 h 20 min
357 km

[1] Carbon dioxide equivalent (CO$_2$e) 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
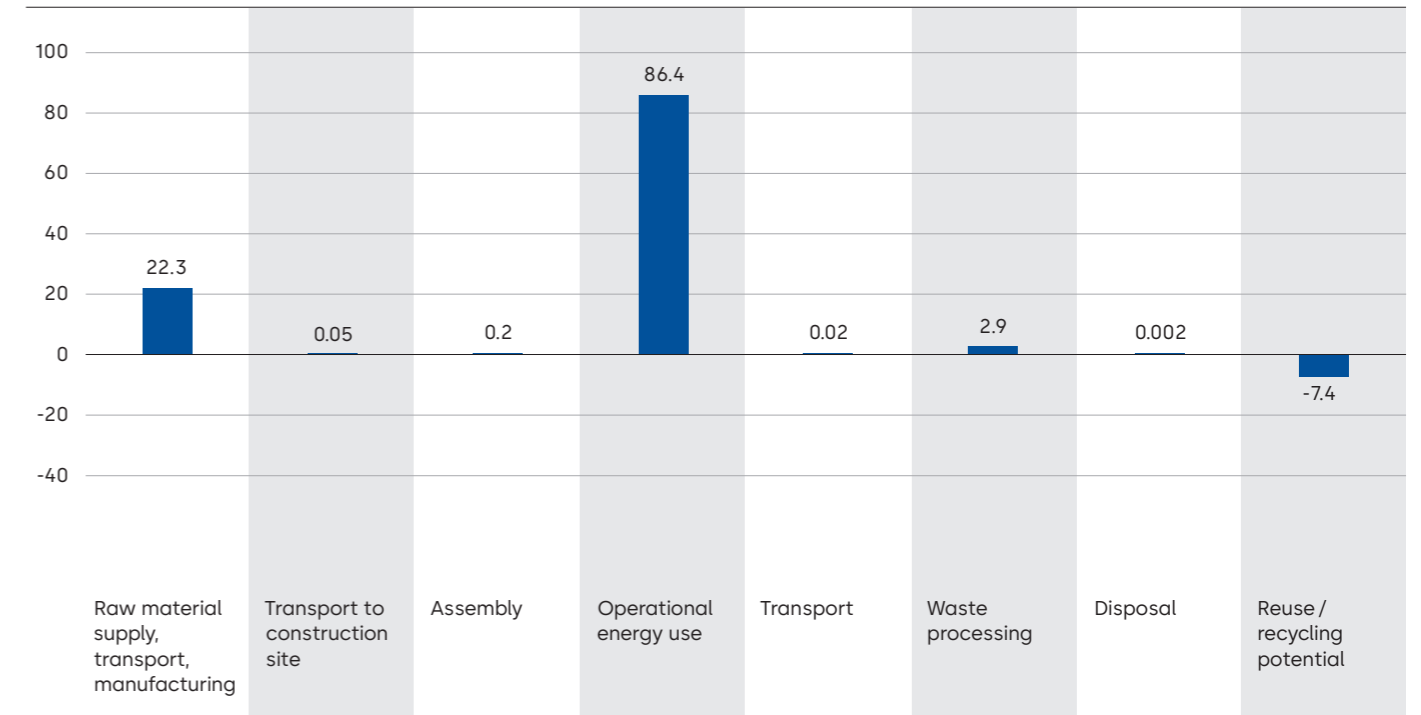
Scan the QR code or click here for more information about our sustainability product declaration.

Description

SafeRoute is a modularly constructed escape route security system that convincingly interconnects the contrasting requirements of doors in emergency exits and escape routes to save people's lives on the one hand, while securing property on the other hand.

Total Global Warming Potential per life cycle stage (kg CO$_2$e)

Life cycle stage	kg CO$_2$e
Raw material supply, transport, manufacturing	22.3
Transport to construction site	0.05
Assembly	0.2
Operational energy use	86.4
Transport	0.02
Waste processing	2.9
Disposal	0.002
Reuse / recycling potential	-7.4

Access manager 92 00 Online access control

Key Figures

Lifetime per unit: 15 years
Weight per unit: 0.25 kg
Electricity use per year: 54 kWh
Production location: Villingen-Schwenningen, Germany
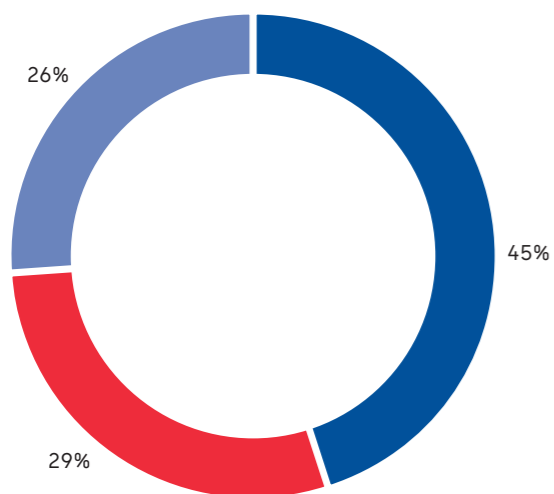
Production standards

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

Product declarations

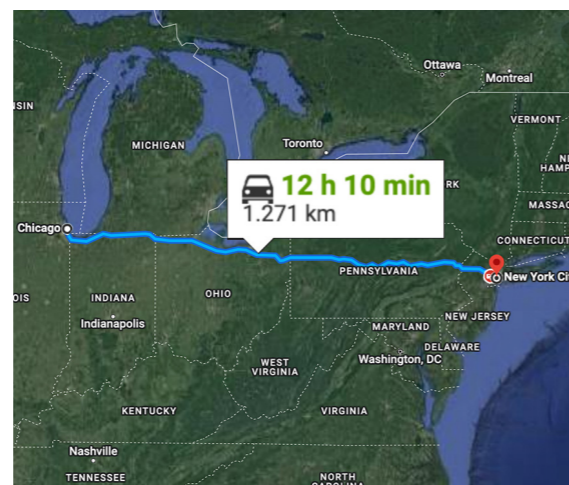| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔		✔	

Material used (%)

■ Electronics ■ Paper ■ Plastics

26%
45%
29%

The GWP[1] across the life cycle is 419 kg CO_2e

This is similar to the CO_2 produced from a road trip with a diesel mid-range car from Chicago to New York

12 h 10 min
1.271 km

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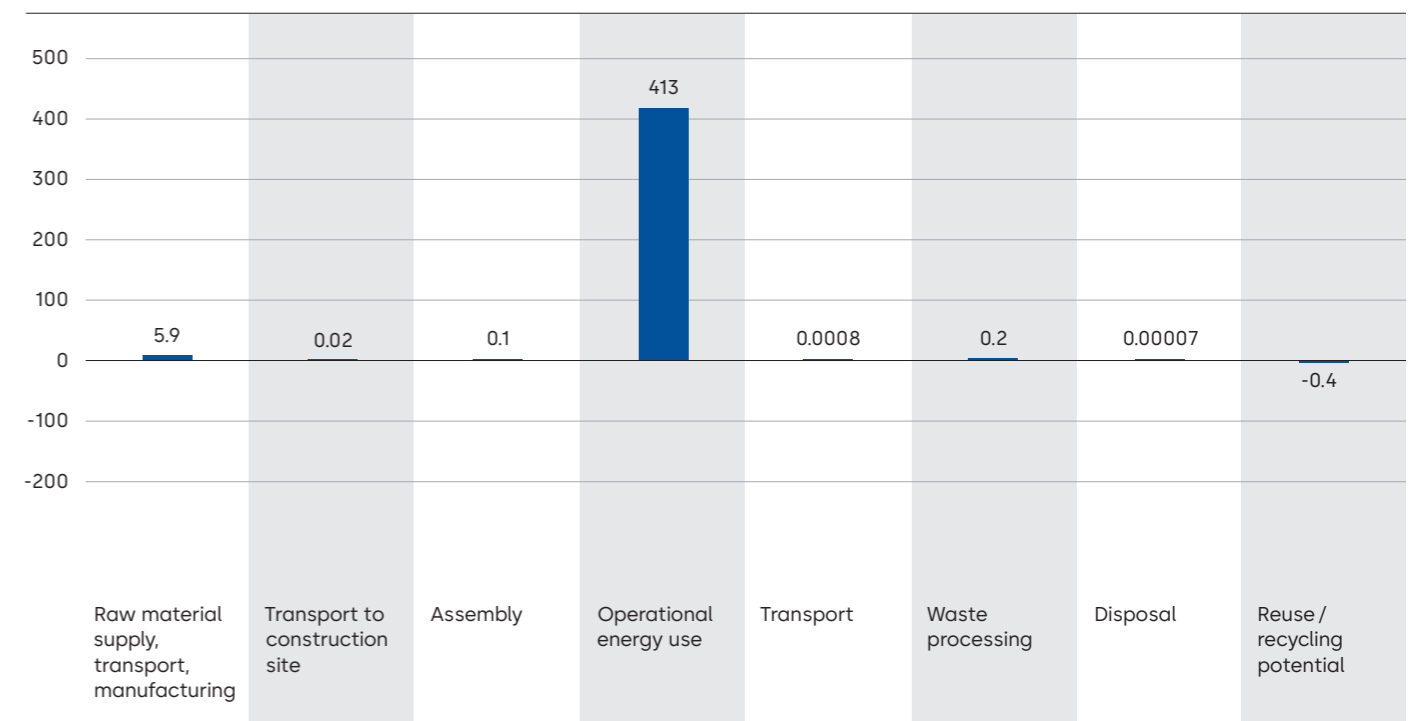
Scan the QR code or click here for more information about our sustainability product declaration.

Description

The dormakaba access manager 92 00 fulfils all the requirements of modern security systems. With its intelligent decision logic and ability to be freely parametrised, it can control simple types of access points as well as more complex entrances to highly sensitive areas. With integrated mobile access, the access system allows access via smartphone. The control electronics integrate everything that is required to enable a connection to cloud services via IoT.

Total Global Warming Potential per life cycle stage (kg CO_2e)

5.9	Raw material supply, transport, manufacturing
0.02	Transport to construction site
0.1	Assembly
413	Operational energy use
0.0008	Transport
0.2	Waste processing
0.00007	Disposal
-0.4	Reuse / recycling potential

[1] Carbon dioxide equivalent (CO_2e) 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.

Access manager 92 30 Online access control

Key Figures

Lifetime per unit: 15 years
Weight per unit: 0.92 kg
Electricity use per year: 54 kWh
Production location: Villingen-Schwenningen, Germany

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 (%)

■ Plastic ■ Paper ■ Electronics ■ Steel
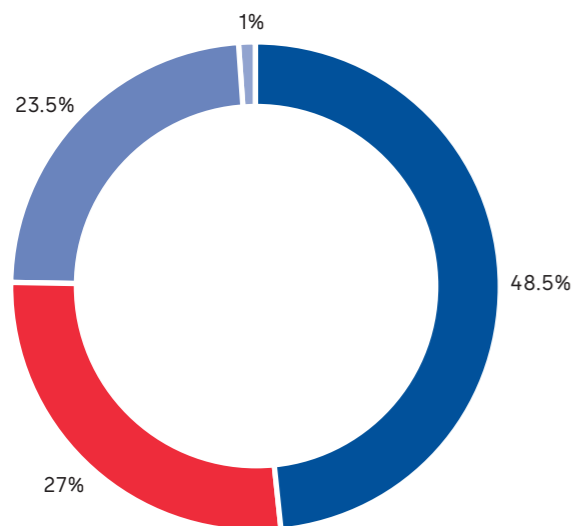
- 1%
- 23.5%
- 48.5%
- 27%

The GWP[1] across the life cycle is 429 kg CO₂e

This is similar to the CO_2 produced from a roundtrip flight from Paris to Rome (2,200 km)

[1] Carbon dioxide equivalent (CO_2e) 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.

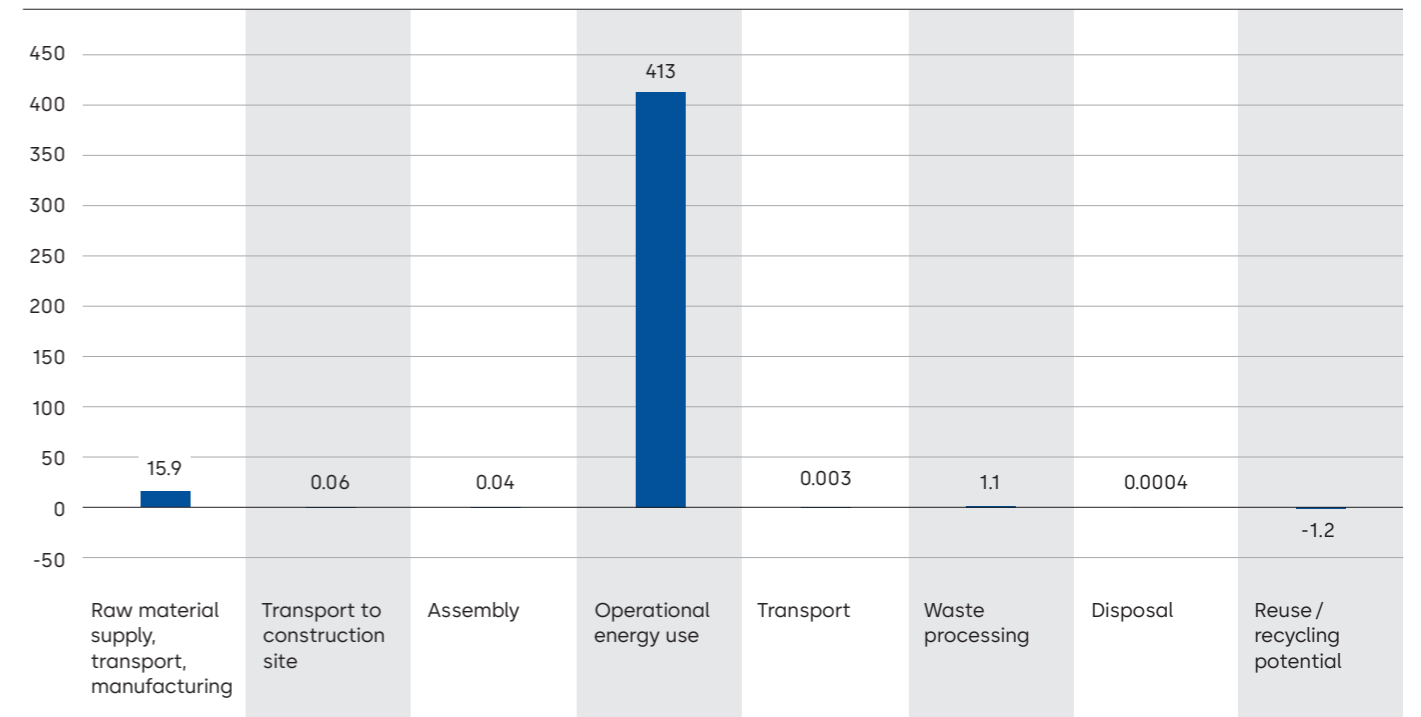Scan the QR code or click here for more information about sustainability

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

Description

The dormakaba Access Manager 92 30 is a highperformance access control system, optimised for single access points. Thanks to its intelligent decision logic and ability to be freely parametrised, the Access Manager can control simple types of access as well as more complex entrance and exit door configurations. Based on the latest operating system and TLS encryption between the controller and host system, the IT security is state-of-the-art.

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

Stage	Value
Raw material supply, transport, manufacturing	15.9
Transport to construction site	0.06
Assembly	0.04
Operational energy use	413
Transport	0.003
Waste processing	1.1
Disposal	0.0004
Reuse / recycling potential	-1.2

Access manager 92 90 Online Zutrittskontrolle

Key Figures

Lifetime per unit: 15 years
Weight per unit: 11.7 kg
Electricity use per year: 54 kWh
Production location: Villingen-Schwenningen, Germany
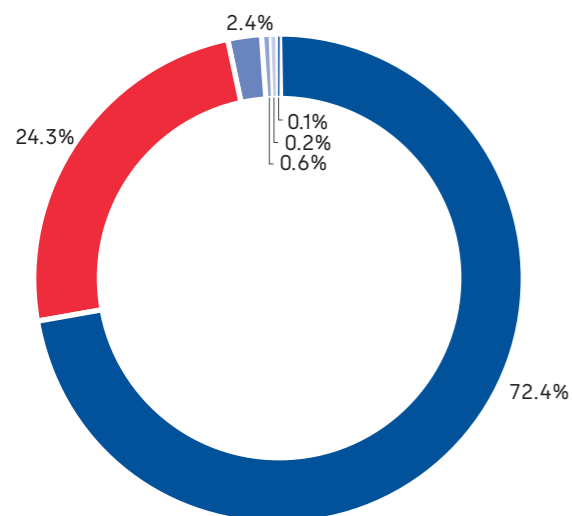
Production standards

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 (%)

- Steel
- Electronics
- Cable
- Plastic
- Stainless steel
- Other metals

2.4%
0.1%
0.2%
0.6%
24.3%
72.4%

The GWP[1] across the life cycle is 377 kg CO_2e

This is similar to the CO_2 produced from a roundtrip flight from Zurich to Barcelona (1,700 km)

ZRH
BCN

[1] Carbon dioxide equivalent (CO_2e) 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.

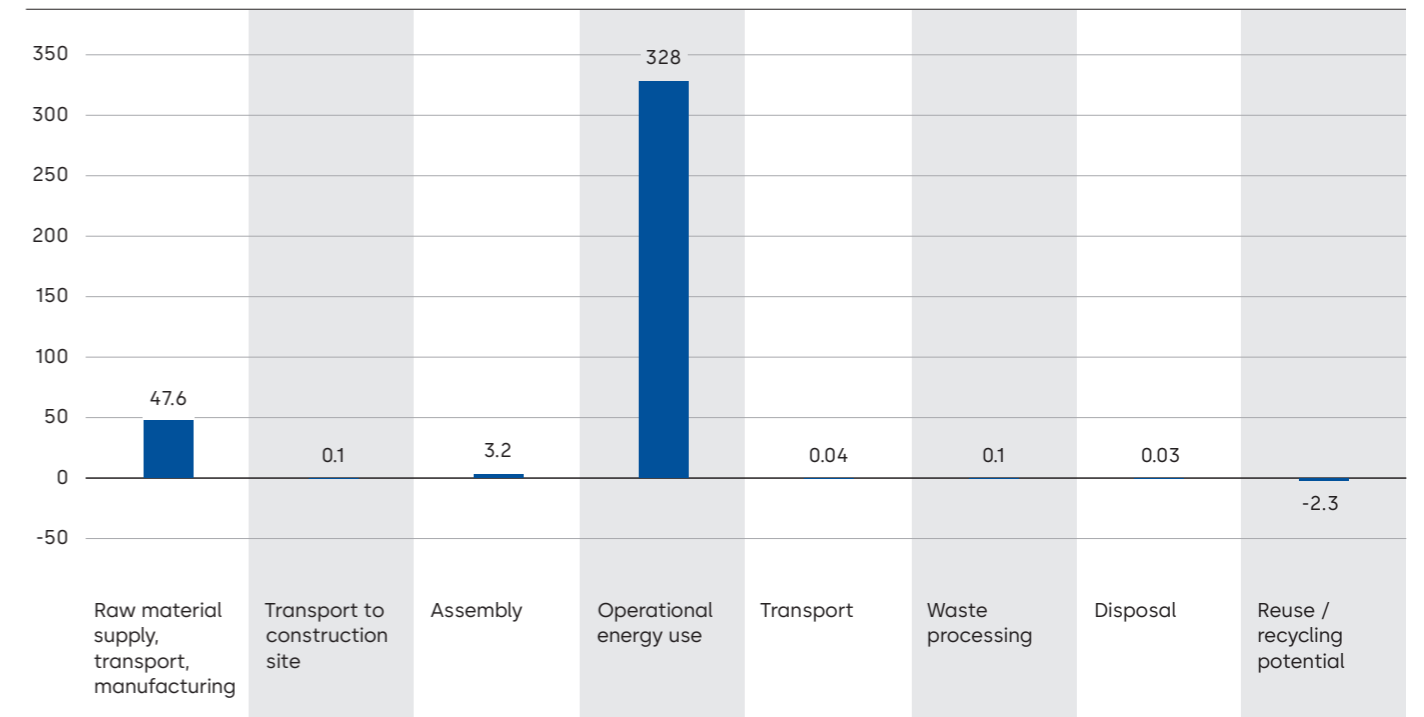Scan the QR code or click here for more information about sustainability

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

Description

The dormakaba Access Manager 92 90 as a central access control manager meets all the requirements of modern access control. Thanks to its intelligent decision logic and free parametrisation, it controls all access events, at basic access points as well as to complex, highly sensitive company areas. Predefined configurations simplify the setting of individual door functions.

Total Global Warming Potential per life cycle stage (kg CO_2e)

Life cycle stage	kg CO_2e
Raw material supply, transport, manufacturing	47.6
Transport to construction site	0.1
Assembly	3.2
Operational energy use	328
Transport	0.04
Waste processing	0.1
Disposal	0.03
Reuse / recycling potential	-2.3

c-lever pro
Electronic door lock

Key Figures

Lifetime per unit: 10 years
Weight per unit: 2.1 kg
Electricity use per year: 0.00001 kWh
**Production location:** Wetzikon, Switzerland

Production standards

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

Product declarations

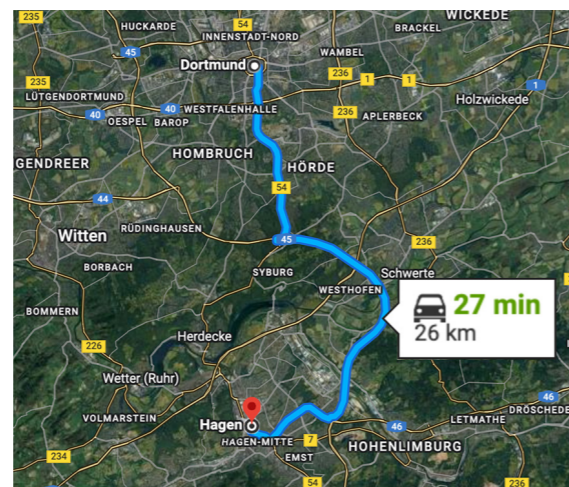| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔	✔		

Material used (%)

- Zinc
- Stainless steel
- Steel
- Electronics
- Brass
- Plastics
- Cable
- Paper

43%
28%
21%
3%
2%
2%
0,5%
0,5%
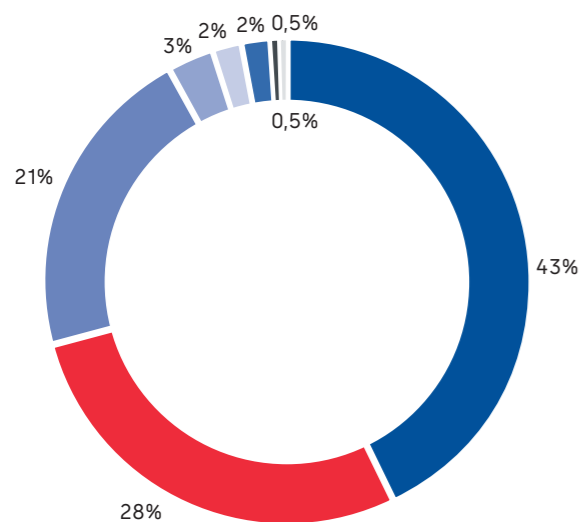
The GWP[1] across the life cycle is 7.5 kg CO_2e

This is similar to the CO_2 produced from a road trip with a diesel mid-range car from Dortmund to Hagen

27 min
26 km

[1] Carbon dioxide equivalent (CO_2e) 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.

Description

The c-lever pro is an electronic door fitting. The external fitting contains an antenna and a mechatronics unit. Following identification of an authorised medium, the door can be opened manually. The c-lever pro supports the latest radio-frequency identification (RFID) technologies and is available with the wireless function: access rights are transmitted from your PC to the door components wirelessly and in real time.

Total Global Warming Potential per life cycle stage (kg CO_2e)

Life cycle stage	Value
Raw material supply, transport, manufacturing	13.4
Transport to construction site	0.02
Assembly	0.3
Operational energy use	0.00004
Transport	0.008
Waste processing	0.1
Disposal	0.0009
Reuse / recycling potential	-6.3
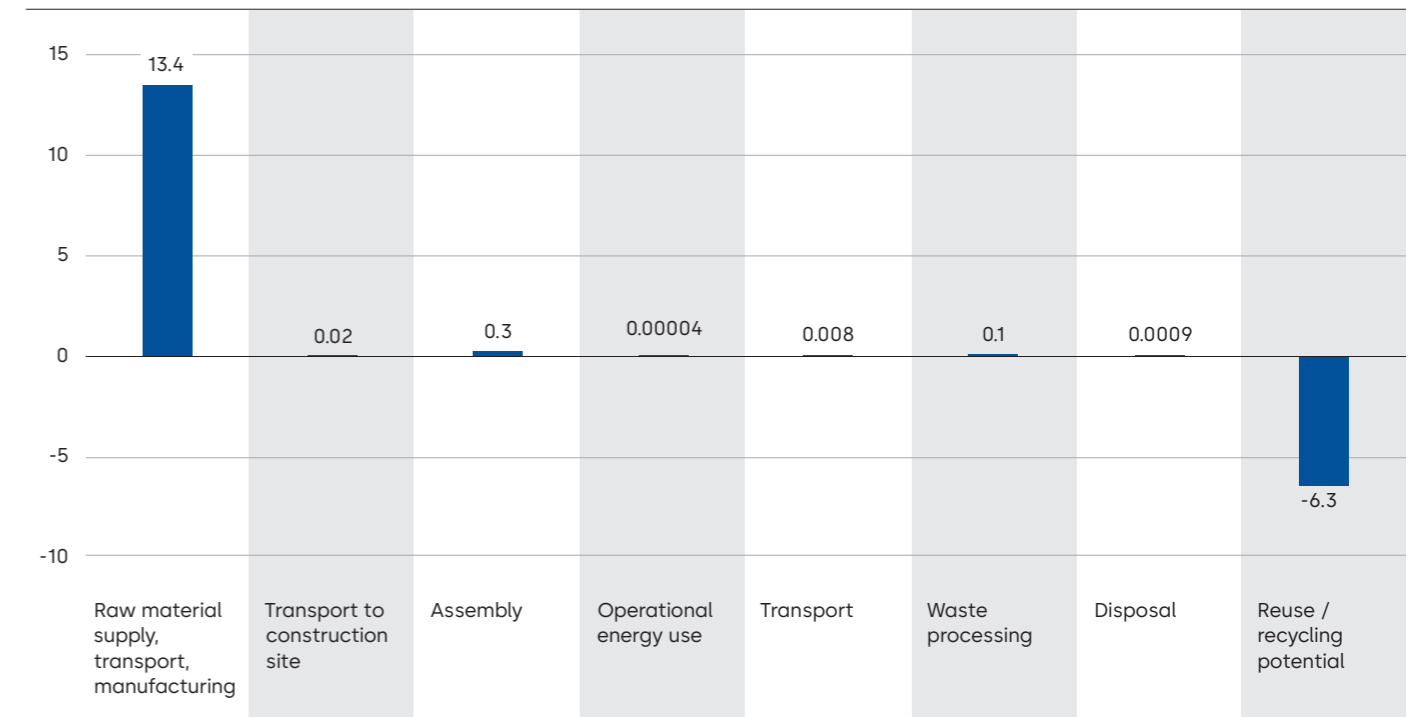
c-lever compact
Electronic door lock

Key Figures

Lifetime per unit: 10 years
Weight per unit: 1.3 kg
Electricity use per year: 0.003 kWh
**Production location:** Shenzhen, China

Production standards

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

Product declarations

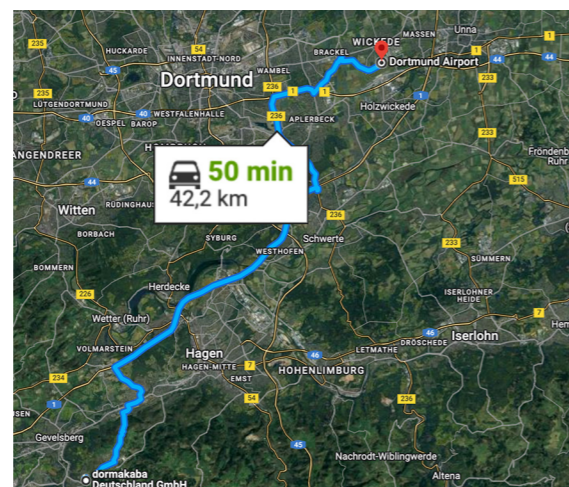| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔			

Material used (%)

■ Steel ■ Paper ■ Zinc ■ Stainless steel
■ Plastic ■ Electronics

35%
3%
5%
15%
16%
26%
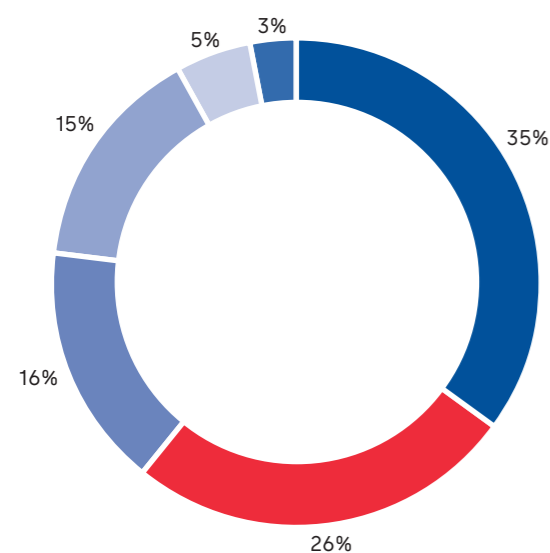
The GWP[1] across the life cycle is 11 kg CO2e

This is similar to the CO_2 produced from a road trip with a diesel mid-range car from Ennepetal to Dortmund airport

🚗 **50 min**
42,2 km

[1] Carbon dioxide equivalent (CO_2e) 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.

Description

The electronic fitting c-lever compact combines design and functionality. The access medium can be determined according to individual needs - cards, key fobs, keys with Radio Frequency Identification (RFID) or smartphones. Access rights can be defined for an almost unlimited number of users, precisely to the location and time. These can be changed flexibly, either in standalone or wireless operation.

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

Life cycle stage	kg CO_2e
Raw material supply, transport, manufacturing	12.4
Transport to construction site	0.2
Assembly	0.5
Operational energy use	0.01
Transport	0.004
Waste processing	0.1
Disposal	0.0005
Reuse / recycling potential	-2.6
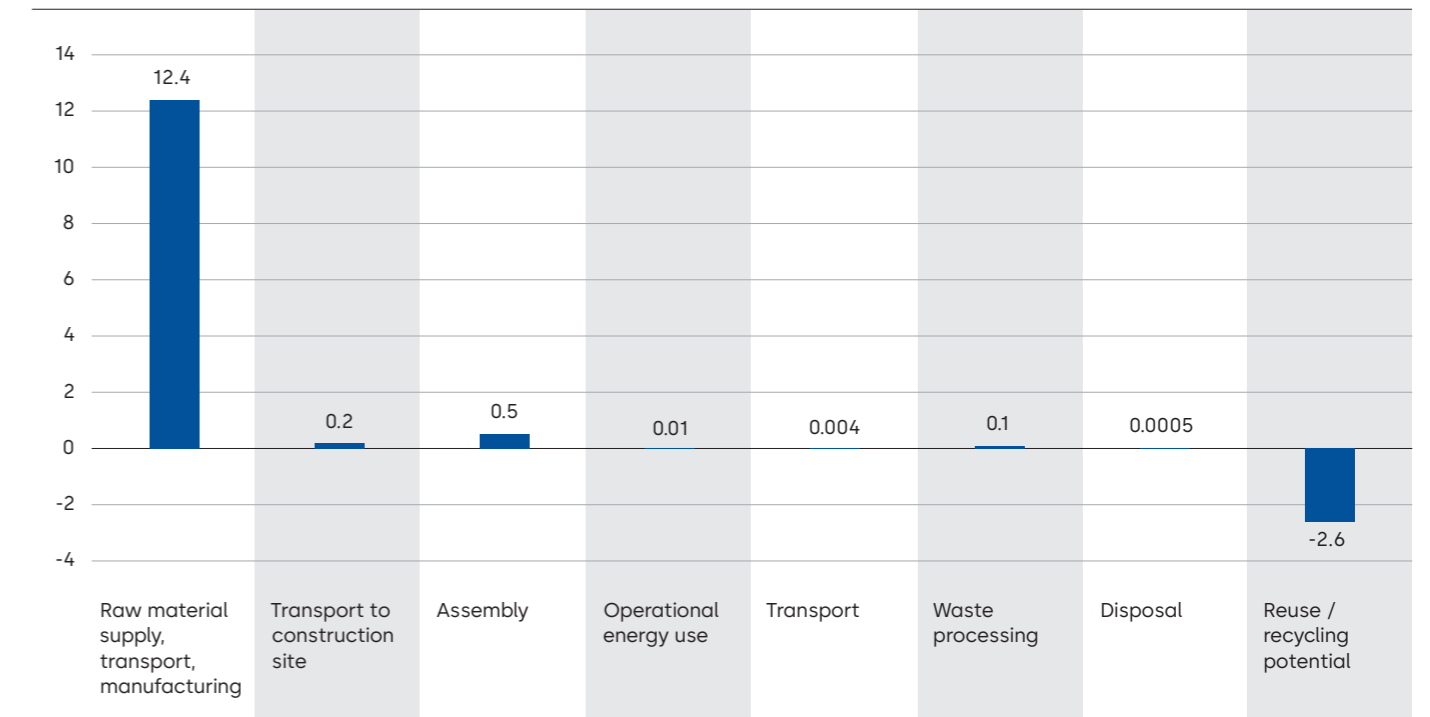
Compact reader 91 10
Access control reader

Key Figures

Lifetime per unit: 30 years
Weight per unit: 0.3 kg
Electricity use per year: 10.9 kWh
Production location: Villingen-Schwenningen, Germany

Production standards

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

Product declarations

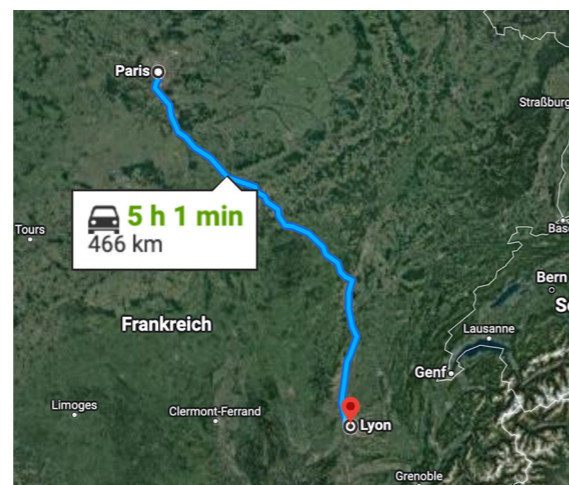| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔			

Material used (%)

■ Plastics ■ Electromechanics ■ Metals

0,1%
19,5%
80,4%
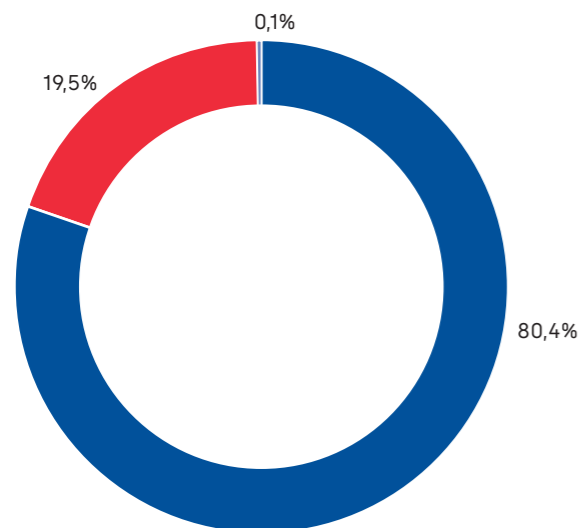
The GWP[1] across the life cycle is 146 kg CO$_2$e

This is similar to the CO$_2$ produced from a road trip with a diesel mid-range car from Paris to Lyon

5 h 1 min
466 km

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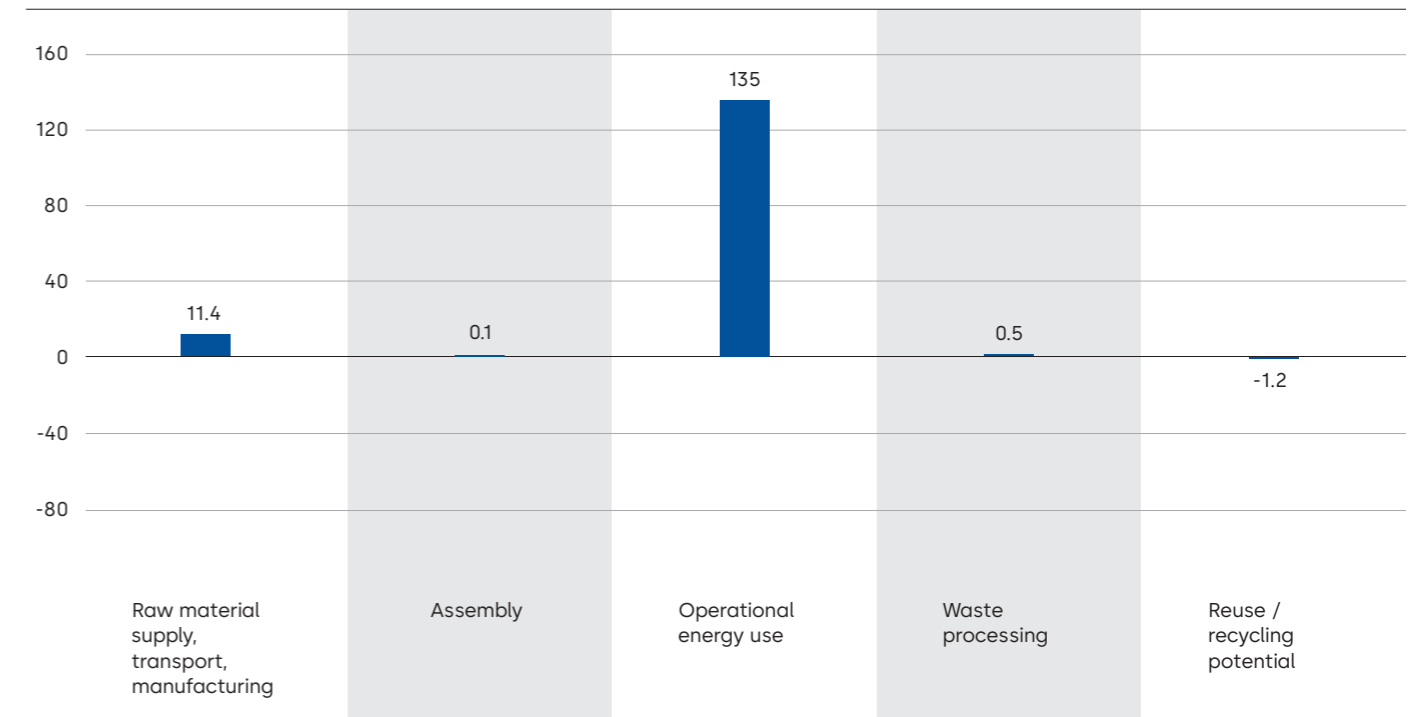
Scan the QR code or click here for more information about our sustainability product declaration.

Description

The compact reader is a device that reads a personalized credential via radio-frequency identification (RFID) or Bluetooth Low Energy technology. The compact reader reads identity information from the credential and passes it on to an access controller via an RS-485 interface. In an online solution, the access controller then grants or denies access to the credential holder. In a stand-alone solution, the compact reader performs the access decision. The compact reader 91 10 is a reader for use in indoor or in protected outdoor areas.

Total Global Warming Potential per life cycle stage (kg CO$_2$e)

Raw material supply, transport, manufacturing	11.4
Assembly	0.1
Operational energy use	135
Waste processing	0.5
Reuse / recycling potential	-1.2

[1] Carbon dioxide equivalent (CO$_2$e) 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.

Digital cylinder
Electronic cylinder

Key Figures

Lifetime per unit: 10 years
Weight per unit: 0.45 kg
**Production location:** Wetzikon, Switzerland

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 (%)

■ Brass ■ Zinc ■ Copper ■ Paper ■ Plastic
■ Battery & electronics ■ Stainless steel ■ Steel

45%
23%
9%
9%
4%
4%
3%
3%
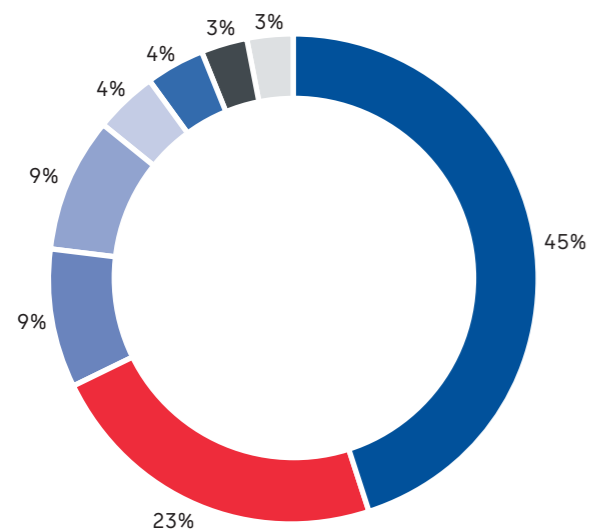
The GWP[1] across the life cycle is 2 kg CO₂e

This is similar to the CO$_2$ produced from a road trip with a diesel mid-range car from Rümlang to Zürich airport
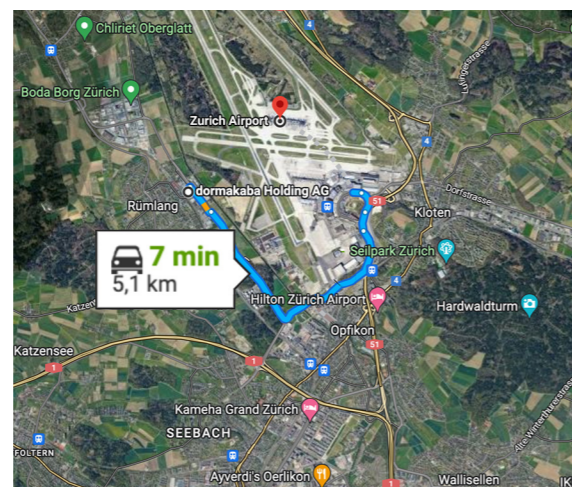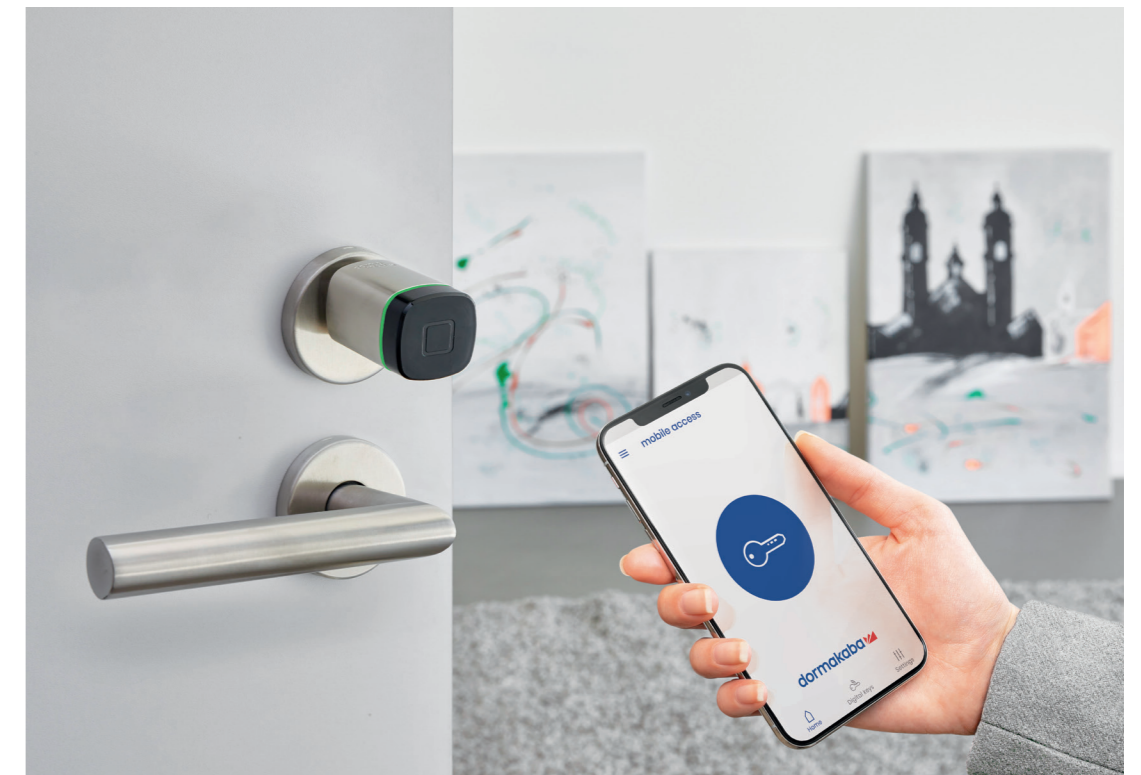

7 min
5,1 km

[1] Carbon dioxide equivalent (CO$_2$e) 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.

Description

The products are mechatronic cylinder locks with both visual and acoustic access signals. They are compact, energyefficient and easy to install. The many different versions offer a solution for every door. The Digital cylinder is part of the dormakaba evolo standalone portfolio. That means no cabling is required within the door because it is operated with a standard battery. The modular design of the Digital cylinder with removable knobs enables quick and easy installation.

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

Raw material supply, transport, manufacturing	Transport to construction site	Assembly	Maintenance	Transport	Waste processing	Disposal	Reuse / recycling potential
2.9	0.004	0.06	0.2	0.002	0.05	0.0003	-0.8
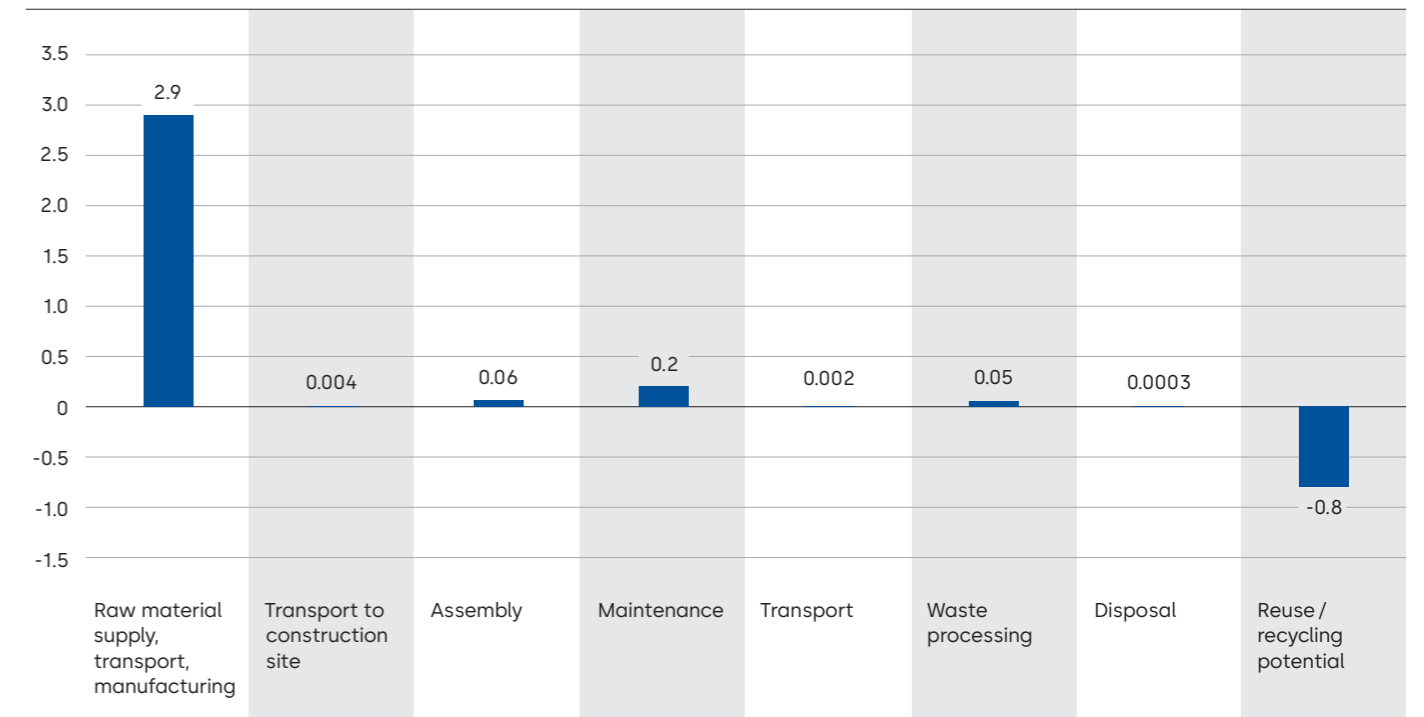
Extension module 90 30 / 90 31 Online access control device

Key Figures

Lifetime per unit: 12 years
Weight per unit: 0.2 kg
Electricity use per year: 19.7 kWh
**Production location:** Villingen-Schwenningen, Germany

Production standards

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

Product declarations

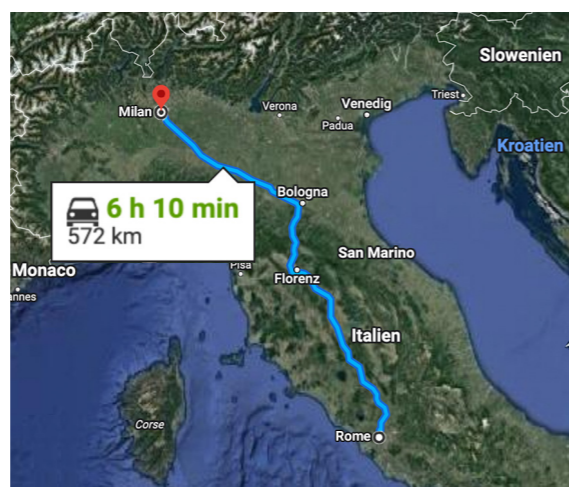| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔		✔	

Material used (%)

■ Electronics ■ Paper ■ Plastic ■ Stainless Steel

0,5%
23%
45,5%
31%
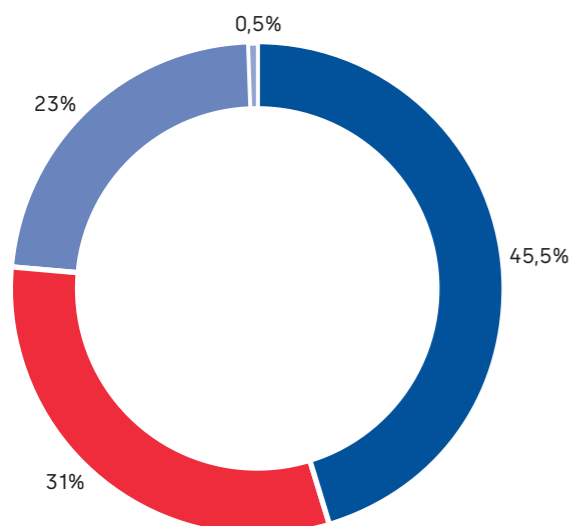
The GWP[1] across the life cycle is 169 kg CO₂e

This is similar to the CO$_2$ produced from a road trip with a diesel mid-range car from Rome to Milan

6 h 10 min
572 km

[1] Carbon dioxide equivalent (CO$_2$e) 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
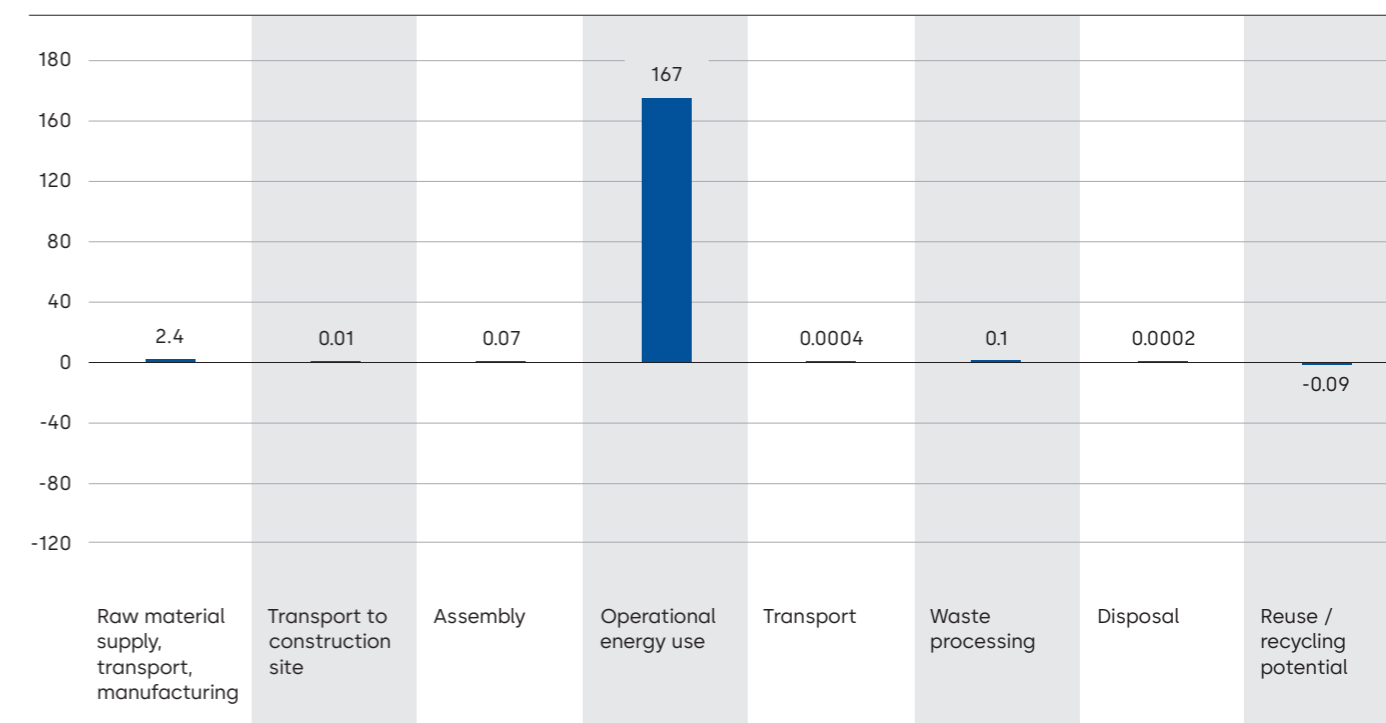
Scan the QR code or click here for more information about our sustainability product declaration.
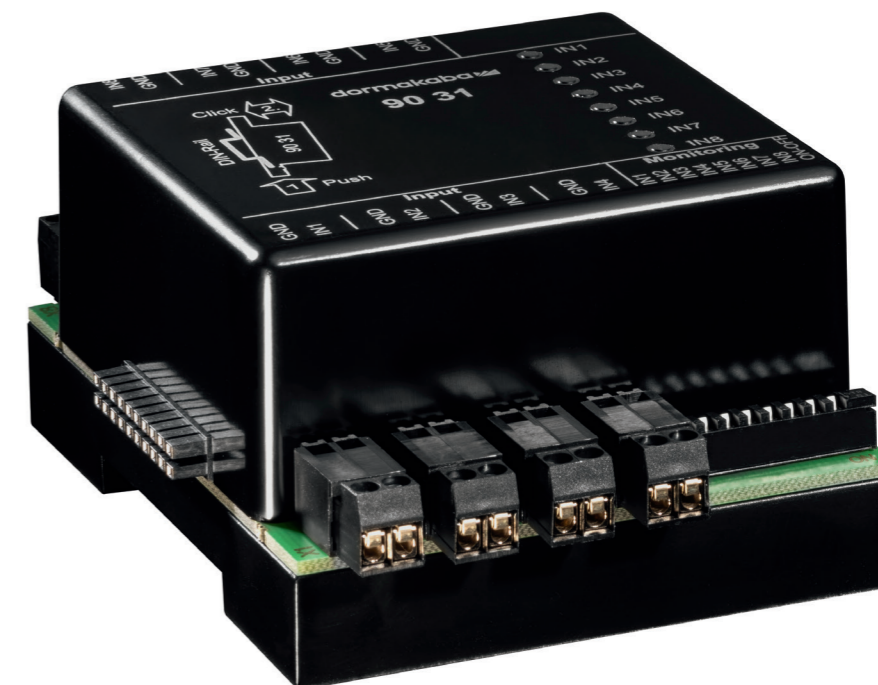
Description

dormakaba extension modules allow a flexible set up of access control systems, providing the number of I/Os exactly required. They can be connected to a dormakaba access manager 92 00 or to remote readers 91 15 / 91 25. This offers not only "made to measure" access control configurations but also the opportunity to extend or adapt existing systems if requirements change over time.

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

Raw material supply, transport, manufacturing	Transport to construction site	Assembly	Operational energy use	Transport	Waste processing	Disposal	Reuse / recycling potential
2.4	0.01	0.07	167	0.0004	0.1	0.0002	-0.09

Extension module 90 43 Wireless funtionality

Key Figures

Lifetime per unit: 12 years
Weight per unit: 0.145 kg
Electricity use per year: 20 kWh
**Production location:** Villingen-Schwenningen, Germany

Production standards

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

Product declarations

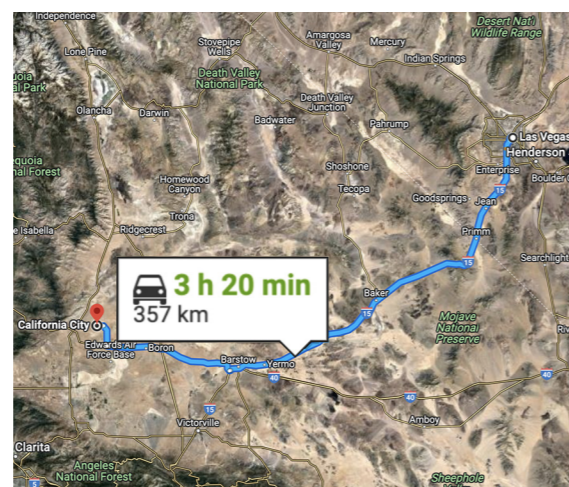| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔			

Material used (%)

■ Paper ■ Plastic ■ Electronics ■ Steel

1%
25%
45%
29%
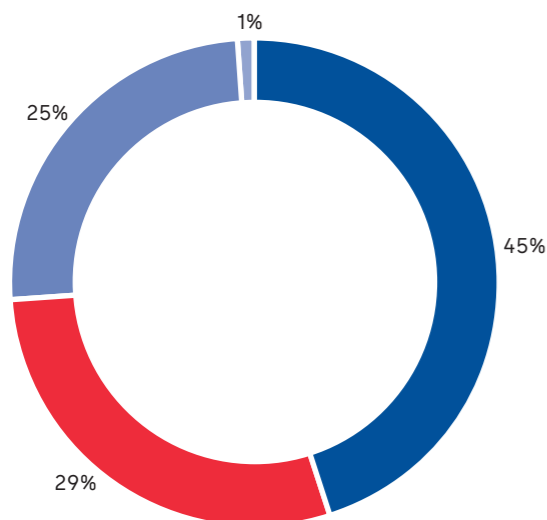
The GWP[1] across the life cycle is 99 kg CO_2e

This is similar to the CO_2 produced from a road trip with a diesel mid-range car from Las Vegas to California

3 h 20 min
357 km

[1] Carbon dioxide equivalent (CO_2e) 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.

Description

With the Extension module 90 43, the standalone remote reader 91 15 becomes a reader with convenient wireless function. This way, you can program doors from your desk and benefit from the advantages of a wireless access system. It can be used for doors where you wish to change access rights wirelessly. For instance, in a system in which doors have been equipped with battery operated standalone components and have the wireless function.

Total Global Warming Potential per life cycle stage (kg CO_2e)
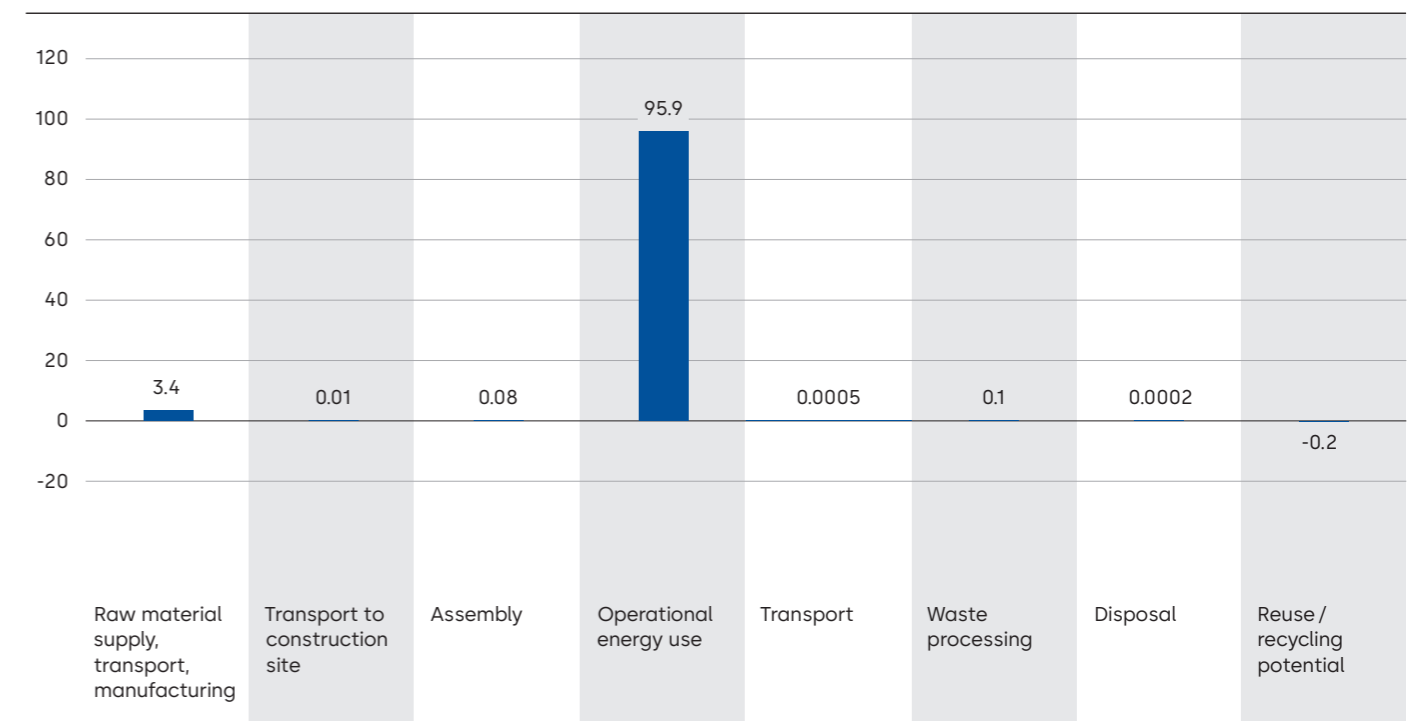
Raw material supply, transport, manufacturing	Transport to construction site	Assembly	Operational energy use	Transport	Waste processing	Disposal	Reuse / recycling potential
3.4	0.01	0.08	95.9	0.0005	0.1	0.0002	-0.2

EntriWorX Unit 92 40
Control unit and interface

Key Figures

Lifetime per unit: 15 years
Weight per unit: 0.9 kg
Electricity use per year: 54 kWh
**Production location:** Villingen-Schwenningen, Germany

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 (%)

- ■ Plastics
- ■ Paper
- ■ Electronics
- ■ Steel
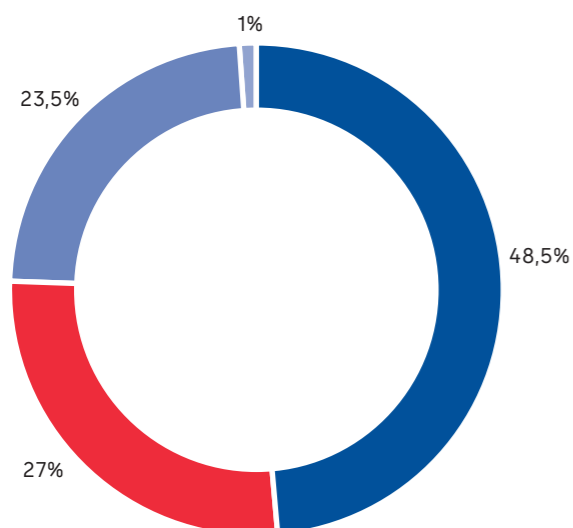
1%
23,5%
48,5%
27%

The GWP[1] across the life cycle is 429 kg CO_2e

This is similar to the CO_2 produced from a road trip with a diesel mid-range car from Mumbai to New Delhi

26 h
1.407 km

Description

The EntriWorX Unit 92 40 is the central control unit for different domains like access control, escape route management and door sequence control. It is capable of managing simple or even complex entrance and exit door configurations. Based on a state-of-the-art operating system the EntriWorX Control Unit is a modern IoT edge device respecting IT security requirements and enabling connectivity to cloud services.

Total Global Warming Potential per life cycle stage (kg CO_2e)

Raw material supply, transport, manufacturing	Transport to construction site	Assembly	Operational energy use	Transport	Waste processing	Disposal	Reuse / recycling potential
15.9	0.06	0.4	413	0.003	1.1	0.0004	-1.2

[1] Carbon dioxide equivalent (CO_2e) 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.

Terminal 96 00
Time recording and staff communication

Key Figures

Lifetime per unit: 10 years
Weight per unit: 0.756 kg
Electricity use per year: 49 kWh
**Production location:** Villingen-Schwenningen, Germany

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 (%)

■ Paper ■ Aluminium ■ Electronics ■ Plastic
■ Glass ■ Others
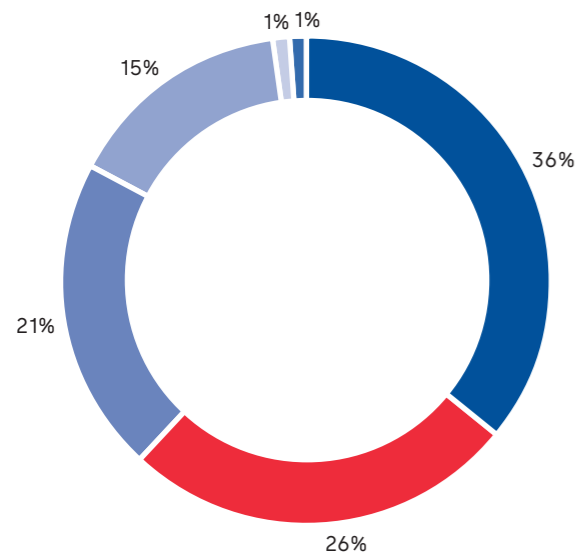
36%
26%
21%
15%
1% 1%

The GWP[1] across the life cycle is 377 kg CO₂e

This is similar to the CO₂ produced from a roundtrip flight from Zurich to Barcelona (1,700 km)

[1] Carbon 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.

Description

Secure and uncomplicated time recording with the Terminal 96 00. A flexible, small all-rounder that you can expand later easily. The user interface offers extensive configuration options to be adapted to your corporate identity featuring company-specific content and applications. Its stable housing and robust glass screen make the terminal durable and versatile in application. The employee identification is done via integrated radio-frequency identification (RFID) reader using an RFID medium or smartphone.

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

Life cycle stage	kg CO₂e
Raw material supply, transport, manufacturing	47.6
Transport to construction site	0.1
Assembly	3.2
Operational energy use	328
Transport	0.04
Waste processing	0.1
Disposal	0.03
Reuse / recycling potential	-2.3
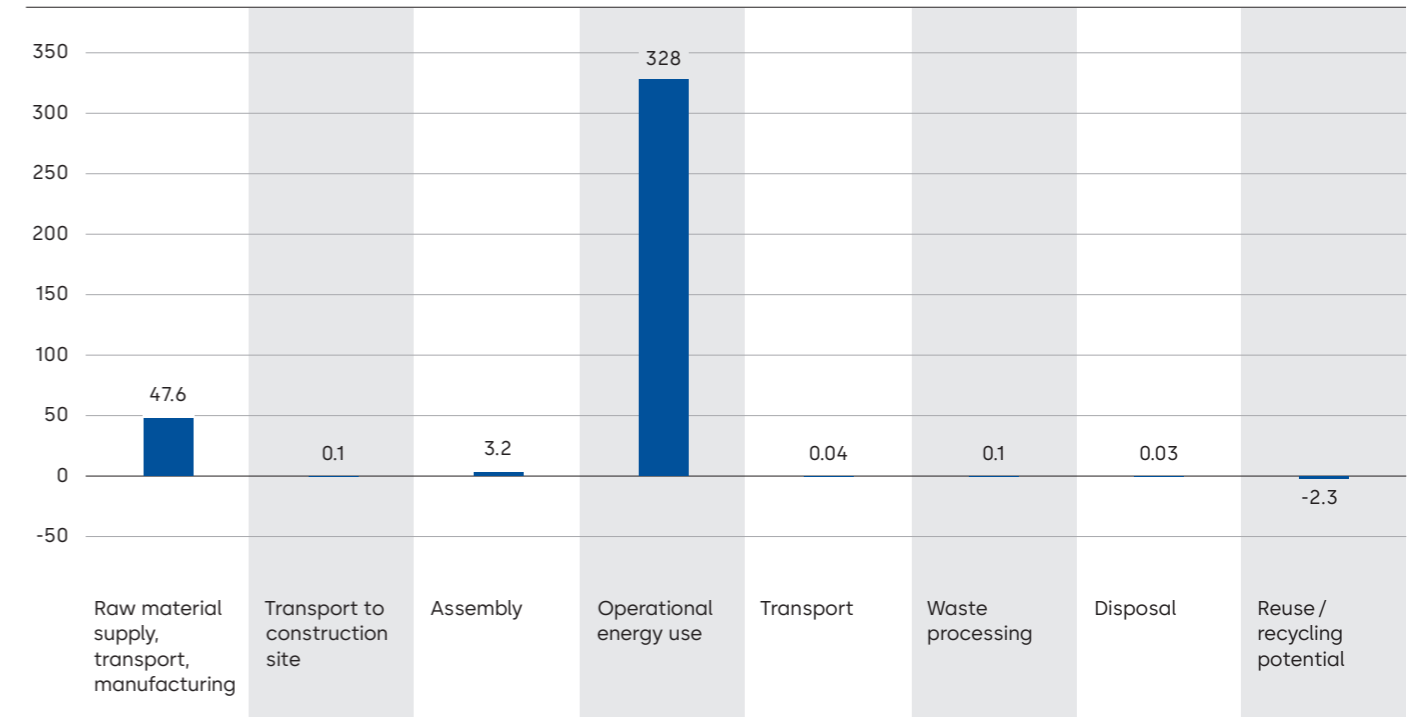
Terminal 97 00
Time recording and staff communication

Key Figures

Lifetime per unit: 10 years
Weight per unit: 2.1 kg
Electricity use per year: 49 kWh
Production location: Villingen-Schwenningen, Germany

Production standards

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

Product declarations

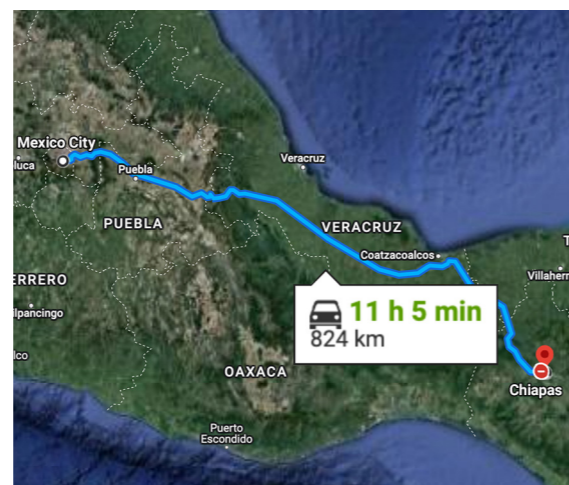| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔			

Material used (%)

■ Paper ■ Glass ■ Plastics ■ Electronics
■ Aluminium ■ Other

31%
26%
26%
15%
1% 1%
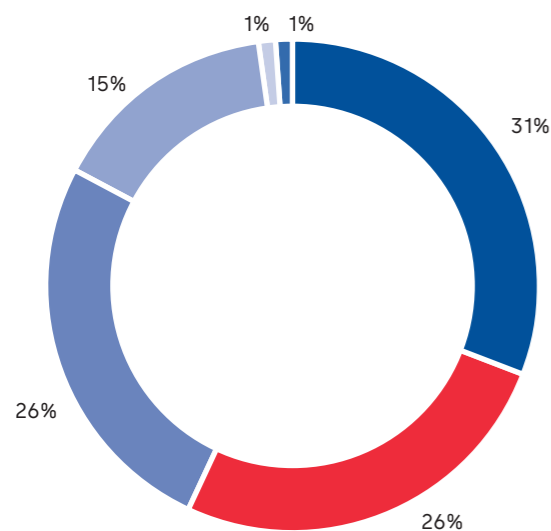
The GWP[1] across the life cycle is 281.5 kg CO_2e

This is similar to the CO_2 produced from a road trip with a diesel mid-range car from Mexico City to Chiapas

11 h 5 min
824 km

[1] Carbon dioxide equivalent (CO_2e) 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.

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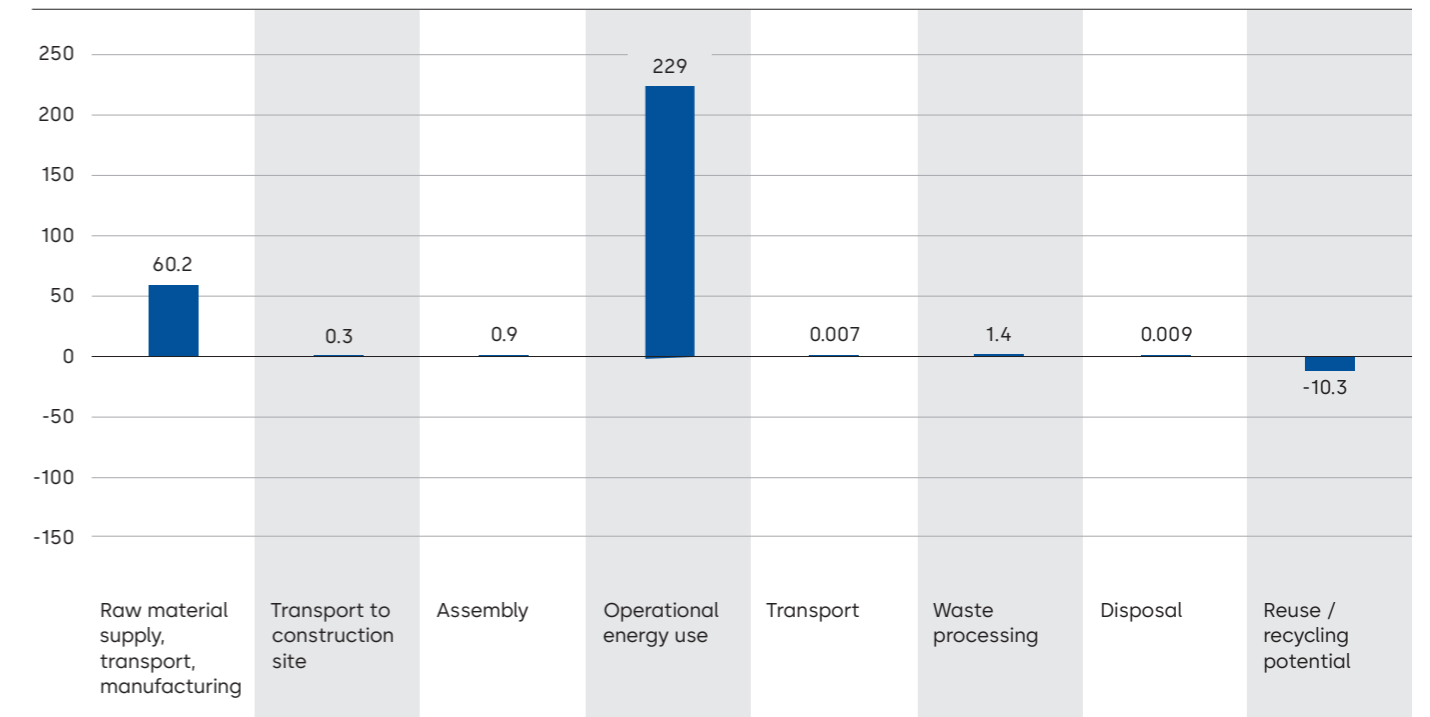
Scan the QR code or click here for more information about our sustainability product declaration.

Description

Versatile, multi-functional and customizable: the terminal 97 00 is a multi-purpose device. With its modular upgradability it represents modern, easy and secure attendance recording as well as intelligent access management and targeted staff communication. The user identification is done via integrated Radio-Frequency Identification (RFID) reader using an RFID medium or smartphone.

Total Global Warming Potential per life cycle stage (kg CO_2e)

Life cycle stage	kg CO_2e
Raw material supply, transport, manufacturing	60.2
Transport to construction site	0.3
Assembly	0.9
Operational energy use	229
Transport	0.007
Waste processing	1.4
Disposal	0.009
Reuse / recycling potential	-10.3

Remote reader 91 15 Access control device

Key Figures

Lifetime per unit: 12 years
Weight per unit: 0.185 kg
Electricity use per year: 13.5 kWh
Production location: Villingen-Schwenningen, Germany
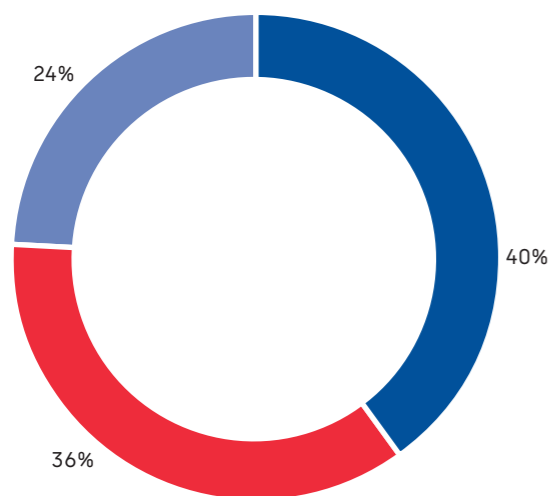
Production standards

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

Product declarations

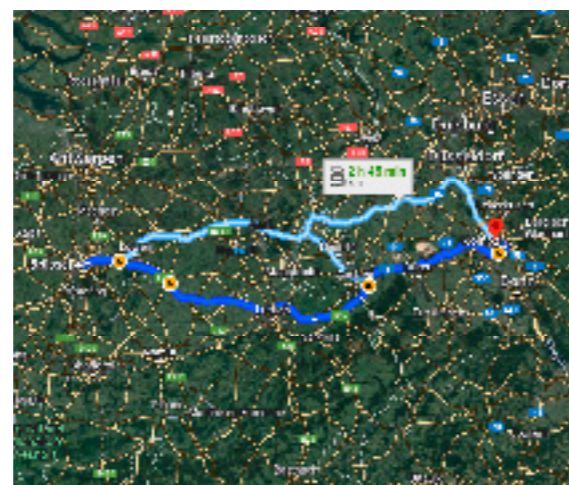| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔		✔	

Material used (%)

■ Electronics ■ Paper ■ Plastics

24%
40%
36%

The GWP[1] across the life cycle is 69 kg CO_2e

This is similar to the CO_2 produced from a road trip with a diesel mid-range car from Brussels to Cologne

[1] Carbon dioxide equivalent (CO_2e) 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.

Description

The dormakaba Remote reader 91 15 offers the benefit of separating the registration unit and door control unit. This makes it suitable for installation in protected internal areas to control access points located in nonprotected external areas. Thanks to its flexible integration, the dormakaba Remote reader 91 15 can be integrated into all dormakaba systems, whether online, CardLink or stand-alone operation. The communication is encrypted, offering a high level of security.

Total Global Warming Potential per life cycle stage (kg CO_2e)

Life cycle stage	Value
Raw material supply, transport, manufacturing	0.1
Transport to construction site	0.002
Assembly	0.08
Operational energy use	68.7
Transport	0.0002
Waste processing	0.1
Disposal	0.0002
Reuse / recycling potential	-0.08
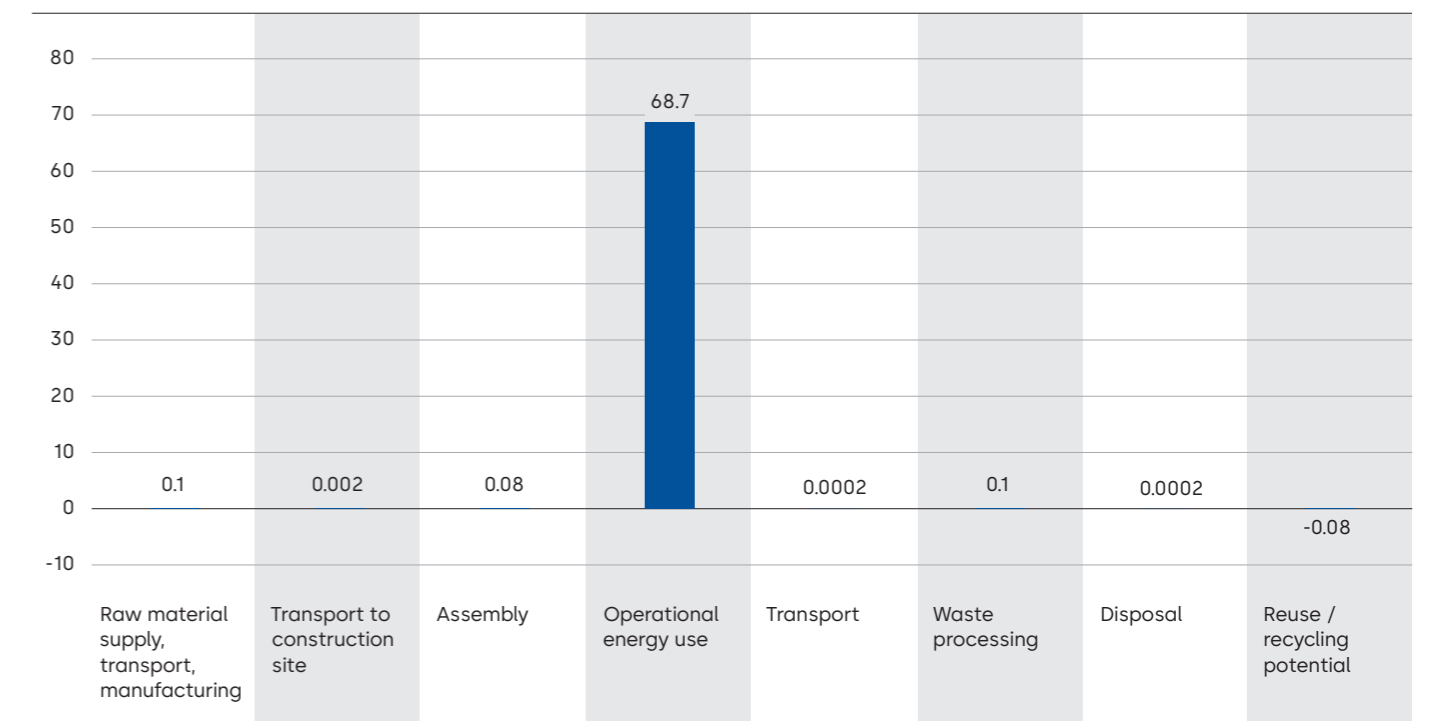
Remote reader 91 25
Access control device

Key Figures

Lifetime per unit: 15 years
Weight per unit: 0.25 kg
Electricity use per year: 13.5 kWh
Production location: Villingen-Schwenningen, Germany
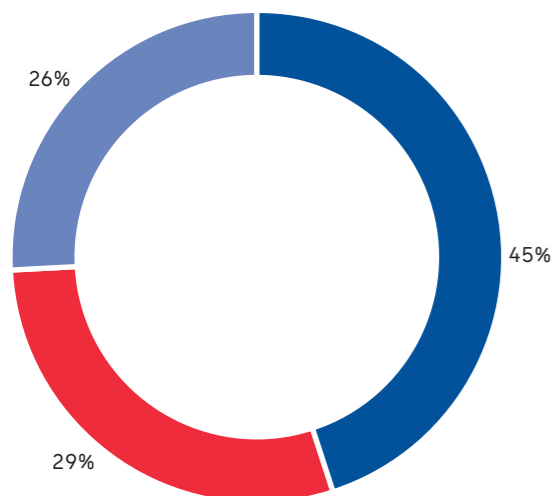
Production standards

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

Product declarations

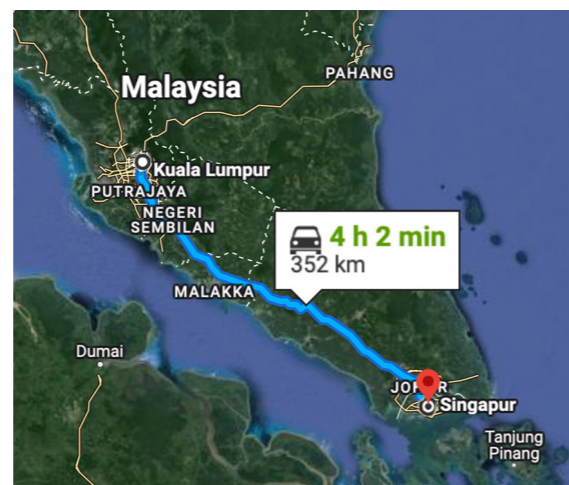| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔		✔	

Material used (%)

■ Electronics ■ Paper ■ Plastics

26%
45%
29%

The GWP[1] across the life cycle is 104 kg CO$_2$e

This is similar to the CO$_2$ produced from a road trip with a diesel mid-range car from Kuala to Singapore
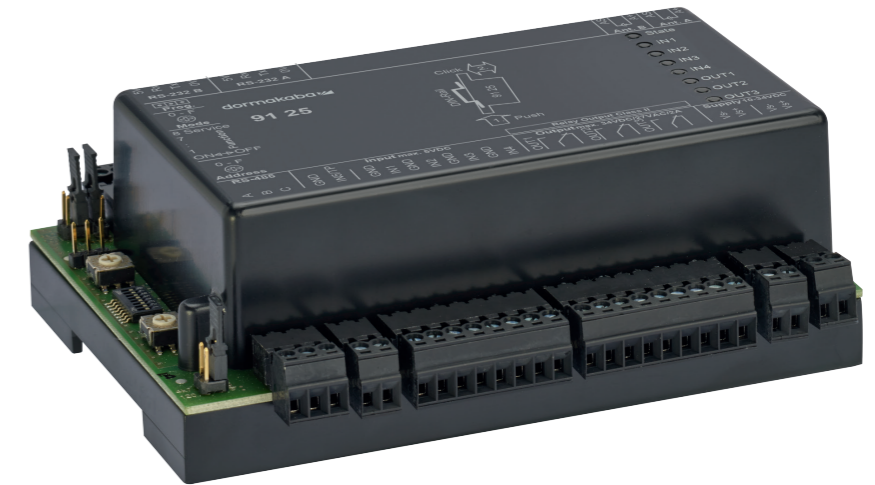

4 h 2 min
352 km

[1] Carbon dioxide equivalent (CO$_2$e) 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.

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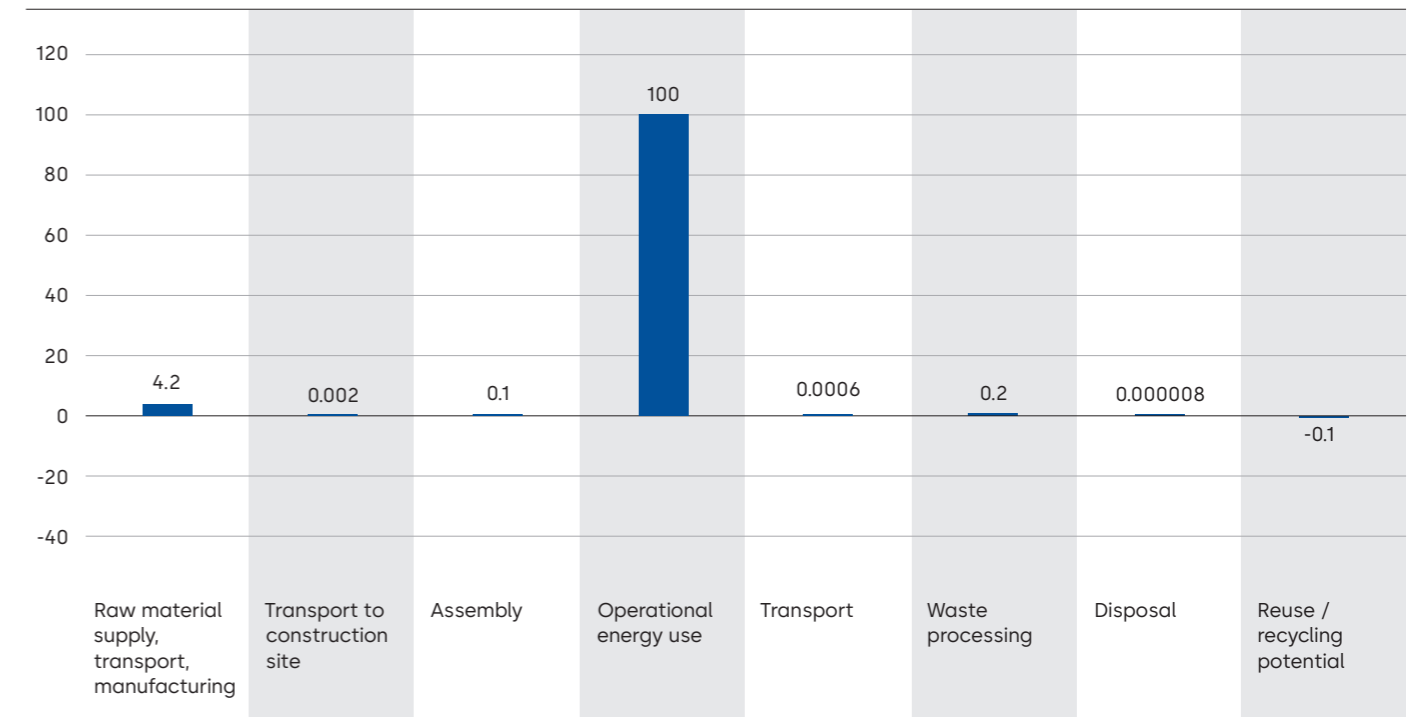
Scan the QR code or click here for more information about our sustainability product declaration.

Description

The dormakaba remote reader 91 25 is a powerful access control unit which monitors many access points. Thanks to an extensive range of operating modes, the dormakaba remote reader 91 25 supports all commonly implemented door configurations. Two registration units can be connected to one remote reader, meaning one reader is sufficient to achieve an in/out configuration.

Total Global Warming Potential per life cycle stage (kg CO$_2$e)

Stage	Value
Raw material supply, transport, manufacturing	4.2
Transport to construction site	0.002
Assembly	0.1
Operational energy use	100
Transport	0.0006
Waste processing	0.2
Disposal	0.000008
Reuse / recycling potential	-0.1

Saffire LX Series Electronic Hotel lock

Key Figures

Lifetime per unit: 10 years
Weight per unit: 3.75 kg
Production location: Montreal, Canada
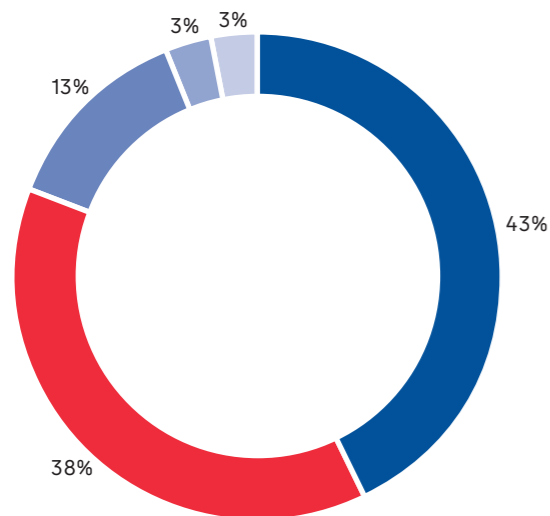
Production standards

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

Product declarations

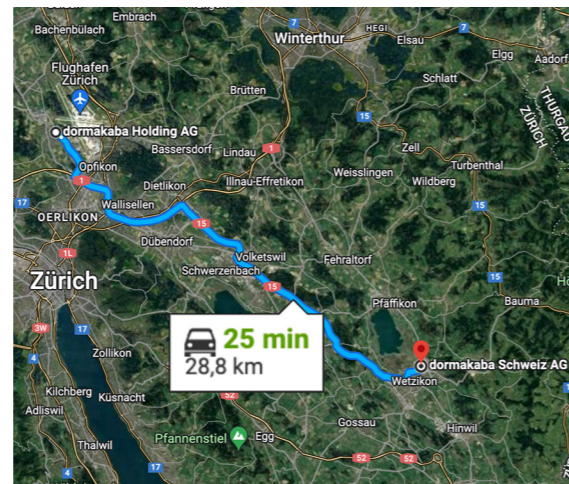| Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✔			

Material used (%)

■ Steel ■ Zinc ■ Paper ■ Electronics ■ Plastic

43%
38%
13%
3%
3%

The GWP[1] across the life cycle is 5 kg CO_2e

This is similar to the CO_2 produced from a road trip with a diesel mid-range car from Rümlang to Wetzikon

25 min
28,8 km

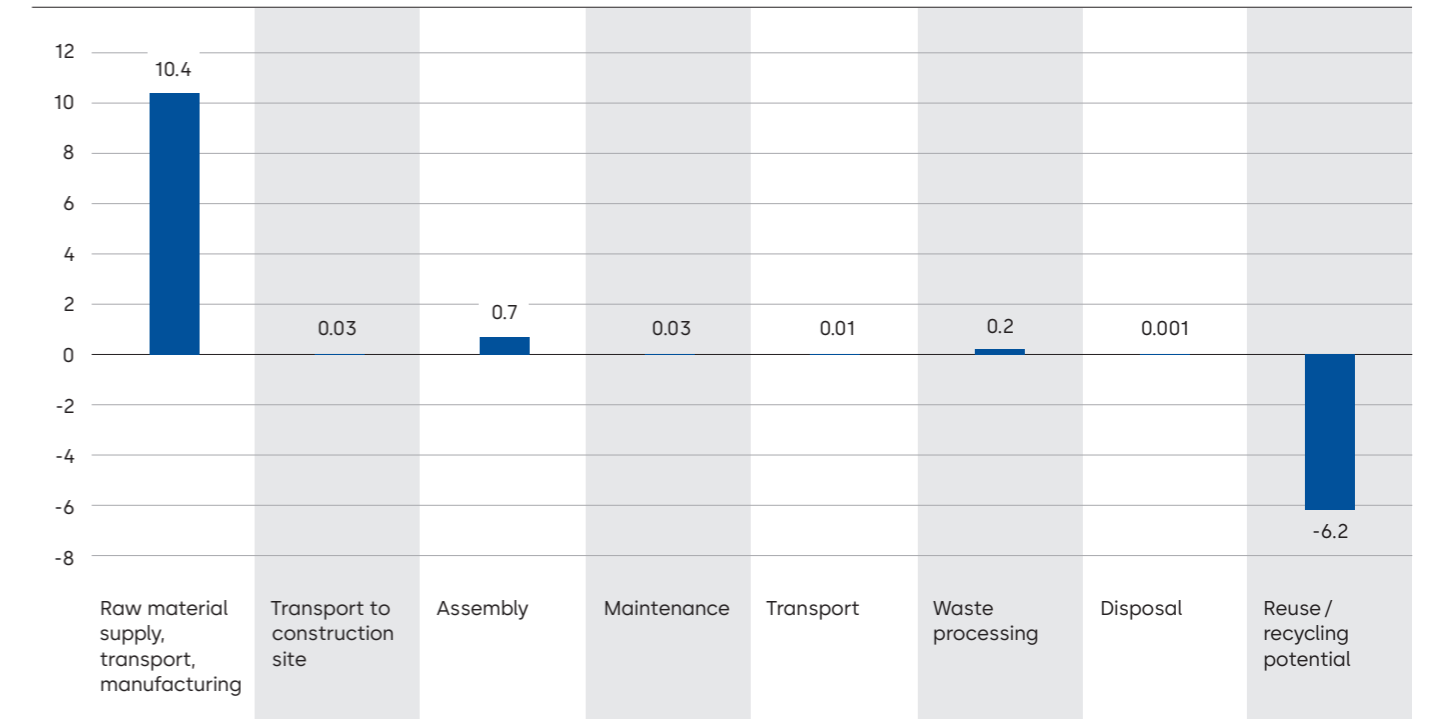Scan the QR code or click here for more information about sustainability

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

Description

The Saffire LX-M Mortise Lock is a sleek, contemporary Radio Frequency Identification (RFID) lock with a small footprint designed with the latest connectivity and security conveniences for multi-housing properties. The Saffire LX-M provides an easy-to-use, secure, and flexible solution. With its sleek curves and clean aesthetics, Saffire LX-M results in a lock design that integrates seamlessly with your property décor.

Total Global Warming Potential per life cycle stage (kg CO_2e)

Raw material supply, transport, manufacturing	Transport to construction site	Assembly	Maintenance	Transport	Waste processing	Disposal	Reuse / recycling potential
10.4	0.03	0.7	0.03	0.01	0.2	0.001	-6.2

[1] Carbon dioxide equivalent (CO_2e) 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.

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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 head-quartered 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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