

Access Automation Solutions



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Advanced solutions are our passion



With over 160 years of experience with access and security in a variety of markets, we continue to innovate and deliver the best products, solutions and services to our customers around the world.

In a world increasingly driven by digitalization and growing populations, security is no longer just a mechanical process — it has become an integral part of urban infrastructure. From crowd management and digital protection to hygiene concerns and disaster preparedness, we take care of the essential elements that contribute to your safety.

With the right technologies and partners, advanced access control solutions — such as cloud-based systems — contribute to a smart, sustainable future where people can move safely, whether in crowds or across various buildings and spaces.

Our offering

Our offering includes individual products, complete solutions, and range of services, from planning and installation to ongoing operations, all designed to help increase our customers' excellence.

			
Access Automation Solutions (AAS)	Access Control Solutions (ACS)	Access Hardware Solutions (AHS)	Services
Entrance Automation Entrance Security	Electronic Access & Data Escape and Rescue Systems Lodging Systems	Door Closers Architectural Hardware Mechanical Key Systems	Consulting and Planning Implementation Commissioning Maintenance

Our focus sectors

We offer a bespoke range of products and solutions to many different types of buildings with many different access needs. We are there, from seamless passenger journeys at airports, through customized solutions at hospitals, to providing a safe and welcoming experience in stadiums.

	Airports		Retail		Transport & Logistics
	Healthcare		Banks & Finance		Industry & Manufacturing
	Offices		Government & Administration		Energy & Utilities
	Hospitality		Residential & Multi-family housing		
	Education		Sports & Culture		

Future with a history

Providing you with the best
has always been our policy

KABA®

DORMA

1862
Locksmith's work-
shop and safe
manufacturing site
founded by Franz
Bauer



1908
Dörken & Mankel
KG founded

1934
Patenting of the
reversible key



1950
Entry into the door
closer business

2000/01
Acquisition of the
Unican company



1962
Production of the
first automatic
doors

2009
Installation of
the world's first
electric airport
gate for automated
self-boarding



2002
Entry into the
mobile partition
wall system
business

2015
Merger of Dorma
and Kaba

dormakaba

2015/16
Introduction of our
first cloud-based
access control
solution



2016/17
Acquisitions in the
USA, including
Skyfold and the
BEST brand

2019/20
First time rated
EcoVadis Gold for
sustainability
management



2021/22
Launch of the
EntriWorX
EcoSystem

Recognition as one
of Switzerland's
most sustainable
companies

2023
Award-winning
new generation of
high-performance
door closers —
EHD 9000



Initiation of the
transformation
program (S4G)

2025/26
Ten-year
anniversary
of merger

ten years
one story
dormakaba

How do you maintain focus on what truly matters?

Project planning and support

Through consultation that is fully dedicated to your needs.



You need to secure your building. With robust technology adapted to your respective needs in every detail. With comfortably adaptable systems facilitating workflow and increasing efficiency and economic feasibility. With precise and dependable solutions tailored to your needs, which you can comfortably and reliably integrate into your plans or expansion.

We provide all this from a single source. Our comprehensive consultation services enable the custom-tailored implementation of your project. Our experienced specialists create a precise requirement profile based on your tasks, needs and wishes and then recommend targeted solution concepts.

We support you in cross-system planning and implementation with our fast, full-coverage and knowledgeable partner and field service team. With dormakaba, you always have a direct contact partner with specific expertise for your entire system and its individual components – we're internally networked and work across multiple interfaces.

We advise and accompany you from planning to implementation – personally, cooperatively and openly. We offer you access systems which prove their worth every day in use across the globe and specialised service that's always at your side.

Architect service:
T: 0800 367 6226
(free of charge in Germany)
architekten.dach@dormakaba.com

Design factor

Design with three letters: XEA

What we mean by XEA: The XEA design language is based on a comprehensive, holistic approach that consistently reflects our commitment to compatibility, premium quality, innovation, thoughtful design, and aesthetics across ten key principles. The core idea: to unify basic shapes, colors, and surfaces into a cohesive visual identity. XEA seamlessly connects the product and brand worlds of dormakaba through a consistent design that communicates a distinctive and recognizable visual language.



#1

Recognisable details

The dormakaba design is recognisable in every product, naturally from its distinctive logo, but above all in the interplay of XEA elements.



#2

Intuitive symbols

All symbols used are reduced to their essential elements, but are easily recognisable and self-explanatory.



#3

Standardised surface finishes

The four basic colours for every product ensure that all combinations will always match. The XEA colour-coding system adds clarity.



#4

Clean forms

The even and two-dimensional surface finishes create a holistic form design. Radii and sharp edges contrast with and complement each other.



#5

User-friendly operation

User interfaces have a minimalist, uniform design, making them immediately recognisable. Operation is self-explanatory.



#6

Contrasting surface finishes

The combination of light and dark, matt and glossy surface finishes creates a multi-faceted overall image. This makes individual function areas clearly recognisable.



#7

Strong casing

If products are equipped with an enveloping housing frame, it provides additional protection from external influences.



#8

Multi-layered compositions

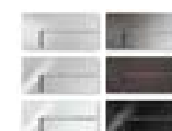
The construction reveals its value at first glance. The quality of the material of the decorative screens impresses with a visible, solid edge.



#9

LED indicator

Applications are intuitive and easy to learn across different products, such as when LED lights indicate access, guide individuals, or display status.



#10

Customised design

A system of materials and colors creates a wide range of solutions, suited to any architecture and beyond: With XEA, you can make unique statements.

Access Automation Solutions

Entrance systems perform several functions in a building. They enable easy, secure access and regulate traffic and access to sensitive areas. They can also help to save energy in the building, as the doors close reliably. Automatic door systems from dormakaba are characterised by their design, variety, security and comfort.



Access Automation Solutions

For smooth access in life and at work, with security and comfort for everyone.

Whether it's in office buildings, public business/event centres, airports, banks, retail chains or sport stadiums, our automatic doors enable convenient access and optimise traffic throughout. The products also support controlled and straightforward access to protected areas. Whether you're entering a lobby, boarding an aircraft, coming to work, entering a fitness studio or going to a concert.



Entrance Automation



Swing door operators
From electromechanical support for manual opening to remote-operated automatic mechanisms.



Automatic sliding doors
The right solution for nearly every entrance situation. Transparency and efficient flow of people.



Sliding door operators
For all standard and escape route applications, space-saving, quiet, long-lasting and maintenance-friendly.



Revolving doors
High traffic capacity, avoidance of draughts.

Entrance Security



Security revolving doors, security turnstiles and personal interlocks
Suitable for security level. Separation sensors, access control, bullet- and burglary-resistant.



Tripod turnstiles and other turnstiles
Access control, robust and weather-proof for outside use, elegant for inside use, with digital integration.



Sensor barriers and sensor-controlled passages
Diverse modular design variants for contactless access control indoors.



Swing doors
Supplemental to our half-height access systems, for material transport or as barrier-free access.



Pedestrian guiding bars and reader posts
Guidance of people, access control and ID card organisation for our half-height access systems.



System components and accessories for entrance systems
Activators with automatic feedback, security sensors for door leaf opening.

Swing door operators

at a glance



	ED 100	ED 250
Dimensions (H x W x D) (mm)	685 x 70 x 130	685 x 70 x 130
Dimensions with incorporated smoke detector with integrated power pack (mm)	735 x 70 x 130	735 x 70 x 130
Use in fire protection	●	●
Number of door leaves	1 and 2	1 and 2
Max. power consumption (watts)	120	240
Closing force EN 1154	EN 2–4 continuously adjustable	EN 4–7 continuously adjustable
Max. door-leaf weight up to 300 mm lintel depth (kg)	160 depending on the door width	300 depending on the door width
Max. door-leaf weight from 301 to 500 mm lintel depth (kg)		160
Door-leaf width (mm)	700–1,100	700–1,600
Opening speed from 0–90° (seconds)	4 ¹⁾ –12	3 ¹⁾ –12
Closing speed from 90–0° (seconds)	5 ¹⁾ –21	4 ¹⁾ –21
Axle extension (mm)	20/30/60	20/30/60/90
Slide channel lintel depth (mm)	+/- 30	+/- 30
Slide channel CPD lintel depth (mm)	30–60	30–60
Standard arm lintel depth (mm)	0–300	0–500
Standard arm lintel depth for fire protection (mm)	0–300	0–350

- Standard

1) Automatically limited depending on door-leaf weight as per EN16005 or DIN 18650, BS 7036-4 and ANSI 156.19 in low-energy operation mode. Max. speeds are only achieved with the full-energy operation mode, a low door-leaf weight and a learned opening angle of min. 95°.

ED 100/250



Single-action door operators for single-leaf and double-leaf doors up to 1,600 mm door-leaf width and max. 400 kg door weight

The modern ED 100/ED 250 single-action door operators are easy to operate and nonetheless very flexible. The operator has compact dimensions and can be easily adapted to individual requirements thanks to its modular structure. Despite its strength, the operator is so quiet during operation that it's hardly noticeable. The modern control system is designed in such a way that it can be adapted to the needs of the user and compensate for changing conditions in the environment, which achieves very high system availability.

- Simply impressive:**
- Active wind-load control in automatic mode
 - Integrated smoke detector
 - **New:** Technically revised arm system with XEA design and multiple toothing
 - **New:** Fire and smoke doors up to 1,600 mm door width (EN 7)
 - Temperature management program – reliable operation with a long service life
 - Power Assist opening support – barrier-free opening as per DIN 18040, DIN SPEC 1104
 - With environmental product declaration (EPD)

Swing door operators

ED ESR 1/2



Single-action door operator for double-leaf doors, fully automated active door leaf with all ED-100/250 functions, passive door leaf without automatic function.

Simply impressive:

- Minimum dimension of just 7 cm in height
- Passive door leaf can be opened manually, supported by the Power Assist function
- Passive door leaf can be held open if required
- System can also be used as a hold-open system
- Use up to EN 6 (no fire protection requirement up to 3,200 mm)
- Approved for fire and smoke doors



MotionIQ

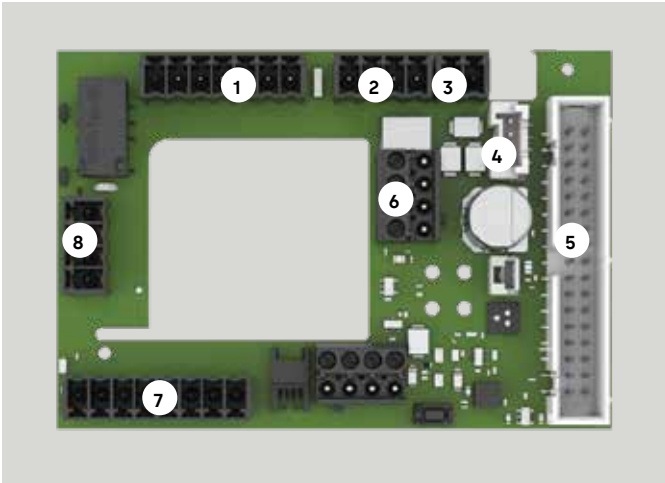
Intelligent Door Control



MotionIQ, Advanced sensor technology combined with high performance MotionIQ controller for efficient automatic door systems. For new installations and retrofitting.

Simply impressive:

- Significant energy savings
- Reduction of CO2 emissions
- Timely opening, even for fast movement
- To suit door widths up to 3000mm
- Improved operational safety
- Extended life of the door system
- Simplified planning and maintenance
- separate adjustment required
- Easy retro fit for ED 100 and ED 250 door systems



ED connection board CAN

The ED connection board CAN includes the Motion IQ Controller and provides CAN connection for the M A01 sensors. An RGB LED function display shows the current operating status and any faults. Parametrisation is via the interface of the ED operator. Additional connections are available apart from CAN connection for the M A01 motion sensors.

Connections

- 1 Lock, e.g. SVP
- 2 Smoke detector, e.g. RM-ED
- 3 Emergency-off function, cut-off operator function
- 4 RS232 connection socket (connection ED control)
- 5 Connection flat ribbon cable for ED control
- 6 Connection terminal CAN connection cable for radar sensors
- 7 Safety sensors hinge side and opposite hinge side
- 8 Signal input for access control, impulse outside and impulse inside

Technical data

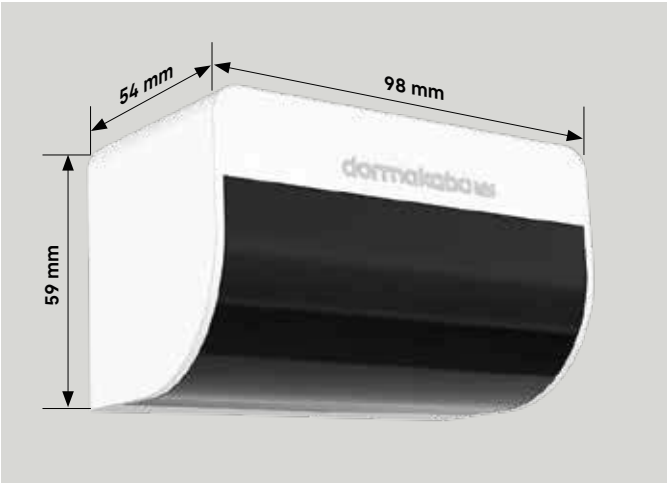
Supply voltage	24 V DC +/-15 %
Power input	approx. 20 mA
Temperature range	-15 °C to +50 °C
Humidity	up to 93 % non-condensing
Protection class	IP20

Scope of delivery

ED CAN connection unit

Article number

29256002



Motionsensor M A01

The Motionsensor M A01 can be used for 1-leaf and 2-leaf door systems indoors and outdoors. An additional weather protection cap is not required. The installation position is centrally above the door system.

Technical data

Supply voltage	24 V DC +/-15 %
Power input	< 2.5 W
Temperature range	-20 °C to +55 °C
Humidity	0 % to 95 % non-condensing
Protection class	IP54
Detection range	approx. 10 m x 4,5 m at 2.2 m installation height and a 30° angle
Installation height	2 m to 4 m
Data interface	CAN dormakaba

Scope of delivery

- Motionsensor M A01
- CAN connection cable
- Mounting kit for radar sensor

Design

Motionsensor M A01, black
Motionsensor M A01, white
Motionsensor M A01, silver

Article number

86891900
86893900
86892900

Integrated Emergency Power Supply

Extension for the ED 100/ED 250



Integrated Reliability

This is the strength of the new integrated emergency power supply of the ED 100/250. The integration of the emergency power supply into the housing of the ED 100/250 ensures uninterrupted operation of the operator in the event of a power failure. The emergency power supply can be easily retrofitted to ED operators and is also available for new installations.

Integrated Function

The modular structure of the ED system scores not only with its flexibility but also with its simple design. The emergency power supply fits easily into the system as an expandable module and is thus invisible.

Simply impressive:

- Maintaining the automatic operation in the event of power failure
- Invisible design due to integration
- Easier installation than with an external 230V uninterruptible emergency power supply

Versions



Easy installation and commissioning

The installation of the emergency power supply occurs in the same step as the operator installation for new systems and is integrated in/on the standard cover of the ED with a height of 70 mm. In the case of single-leaf systems, the installation is carried out by means of an attachment kit in the direction of the main closing edge with a length of only 230 mm. The new complete length of the drive is then 915 mm. For double-leaf systems, the installation is carried out centrally under the Vario cover with a required min. hinge distance of 1.630 mm.

Sustainable & smart reliability

The battery pack consisting of rechargeable lithium iron phosphate batteries (LiFePO4) has a high capacity, high energy density, a long service life, and a significantly higher level of safety. With this battery technology, thermal runaway is almost impossible (compared to lithium-polymer batteries). Material like Cobalt is not included. The battery pack can buffer single-leaf systems up to 600 cycles and double-leaf systems up to 300 cycles (depending on the application and connected hardware). The emergency power supply is in standby mode for 24 hours in order to take over immediately if required.



- **01** Set for single-leaf door system
- **02** Set for double-leaf door system

Automatic sliding doors

ST PRO Green/ST PRO Green RC2/RC3



The ST PRO Green automatic sliding door has a thermally separated profile system. In combination with double or triple glazing, particularly low UD values (heat transfer coefficient) of up to 1.0 can be achieved (value depends on glass used and door size). The new operator generation ES PROLINE with a dormakaba Direct Drive motor and energy-saving power supply unit operates extremely efficiently. The long service life (1.5 million cycles) contributes to sustainability far beyond the standard requirement. As a complete system, the door ensures a better energy balance in buildings.

- Simply impressive:**
- Extremely low UD values
 - 1-leaf and 2-leaf sliding doors
 - For use in escape routes and emergency exits
 - Energy-efficient ES PROLINE sliding door operator
 - Designer internal cover with fully integrated security sensors (sensor casing)
 - Highly efficient double and triple glazing
 - Tested and certified
 - ST PRO Green RC2 with burglary resistance RC2/ST PRO Green RC3 with burglary resistance RC3

ST FLEX

The ST FLEX automatic sliding door with the FLEX profile system creates a transparent look thanks to narrow visible widths. Convenience and barrier-free design achieve a welcoming atmosphere. Together with doors from the ST FLEX family (ST FLEX Green and ST FLEX SECURE), a harmonious overall appearance is created.

- Simply impressive:**
- Slim profile cross-sections
 - Security secondary closing edge made of rubber
 - Suitable for ISO glass with a thickness of 22 mm and single-pane glass with a thickness of 8 mm/10 mm
 - Above-floor and floor-integrated guide rail possible
 - Can also be supplied as a telescopic sliding door
 - Flexibly adaptable to the requirements of the building



Hurricane Door ESA200/300-HP

Engineered and tested to withstand nature's wrath. Rigorous testing has ensured that the ESA200/300-HP door meets, and even exceeds, Florida Building Code regulations.

Strong. Durable. Refined. In addition to the door panel's storm and wind resistance, the ESA200/300-HP has the strongest and most durable header—designed without exposed screws to be the strongest, most durable unit available. There are no unsightly exposed screws-on-glass stops.

Increased security. Superior glass strength and a 5-point locking system allow on-breakout models to serve as security doors.

Impact resistance. The ESA-HP door is steel reinforced to withstand the impact of large projectiles. Choose from a variety of breakout configurations and several hurricanerated glass or stormglass options.

Cost-effective. dormakaba hurricane-resistant sliders decrease costs by eliminating the need for hurricane shutters.

- Simply impressive:**
- Breakout of sliding panels only OR sliding panels and sidelites
 - Non-breakout models can act as security doors due to superior glass strength and 5-point locking system
 - 1/4" tempered glass or 5/32" stormglass
 - No unsightly exposed screws-on-glass stops
 - Eliminates need for hurricane shutters
 - Steel reinforced



Automatic sliding doors

ST FLEX Green



The automatic ST FLEX Green is an energy-saving sliding door with an environmental product declaration (EPD). It meets the guideline values of German Energy Saving Ordinance EnEV 2016 and features extremely slim profiles and improved thermal separation.

Simply impressive:

- Complies with German Energy Saving Ordinance EnEV 2016
- UD values from 1.4 to max. 1.8 W/m²K
- Minimised visible widths of the profiles
- Certified thermal insulation values in accordance with DIN EN ISO 10077
- Sustainable, energy-saving solution
- With environmental product declaration (EPD)

ST FLEX SECURE



Burglary and vandalism protection with unobtrusive appearance are the key features of the FLEX SECURE sliding door. Classes of burglary protection WK2/RC2 are certified by a test report according to EN 1627 et seq. In combination with the ST FLEX and ST FLEX Green door types, transparent, barrier-free entrance solutions are easy to implement.

Simply impressive:

- Certified burglary protection classes WK2/RC2
- Visually attractive, slim profiles
- Solid four-point locking device on main closing edge
- Universal prying protection for door leaf
- Floor-integrated guide rail for a stable floor connection
- Tested versions with or without side screen

Automatic sliding doors

TST FLEX/TST FLEX Green

Telescopic sliding doors of the FLEX profile system offer large clearance widths with high transparency of the door elements. Together with other doors of the FLEX family, even especially challenging building solutions can be implemented.

The energy-efficient TST FLEX Green version features improved thermal separation and ensures outstanding heat insulation as a final building step in combination with ISO glasses.

Simply impressive:

- Telescopic mechanism ensures greater access with the same system width
- Slim FLEX profile system for transparent entrances
- Secondary closing edge with rubber security profile
- Suitable for ISO glass with a thickness of 22 mm
- Same profiles as with ST FLEX sliding door

ST PURE

Automatic sliding door with full-glass door leaves (frameless).

Simply impressive:

- Full-glass door leaves without door profiles
- Specifically for inside applications
- Door-leaf holder with modest dimensions
- Door installation types with and without side screen/fanlight are possible



ST MANET

Automatic sliding door with full-glass door leaves and stainless steel holders (frameless).

Simply impressive:

- High-quality stainless steel single-point fixing for the door leaves
- Door leaves without door profiles for max. transparency
- For high-quality interior construction
- Doors with and without side screen/fanlight are possible



Automatic sliding doors

SST FLEX



Swivelling door leaves and side screens can allow for very large access widths in case of emergency. In automatic mode, the break-out sliding door works like a standard sliding door.

Simply impressive:

- Slim profile in the FLEX system
- Automatic mode corresponds to that of conventional sliding doors
- Door leaves and side screens can be swivelled open manually in case of emergency
- Escape route width corresponds approximately to the entire door width
- Enables the transport of bulky objects

FFT FLEX Green



The FFT FLEX Green bi-folding door is especially suitable where there is limited lateral building space. It enables clear passage widths of up to 2.4 m and clear passage heights of up to 2.5 m. This door is characterized by exceptionally good thermal insulation together with very quiet and dynamic running.

Simply impressive:

- Large clear passage widths
- Especially narrow profiles
- High energy efficiency
- UD value calculation
- Quiet and dynamic running
- For escape and rescue routes
- With environmental product declaration (EPD)

ES 400 PRO sliding door operator

Getting started in the world of modern door operator systems



Discover the simple and reliable solution for getting started in the world of modern door operator systems. The new ES 400 PRO is an operator system that perfectly combines the latest technology, energy efficiency and sustainability. At the same time, the operator fulfills the stringent design and functionality requirements of modern buildings.

Modular and versatile

The ES 400 PRO is the reliable solution in the new ES PROLINE modular system with brushless operator system and direct drive unit. It is suitable for both standard doors and telescopic sliding doors. Depending on the door design, the solution easily moves door leaves weighing up to 1 X 250 kg, 2 X 200 kg.

Sustainable and energy-efficient

Efficiency and sustainability were the key criteria when developing the new operator. The electronic components used are state-of-the-art and consume far less energy than the previous model.

- Simply impressive:**
- Compatible with the ES PROLINE platform
 - The reliable solution in the new ES PROLINE modular system
 - Height 100 or 150 mm
 - Compatible with all dormakaba sliding door profiles
 - Connections for conventional combined sensors as standard (including secondary closing edge protection as per EN 16005)
 - Door Pilot with program switch function, health check and sup-port via dormakaba optional
- Functions:**
- Moves 2 x 200 kg door leaves
 - 1.5 million load cycles tested and certified
 - Brushless motor system of the ES PROLINE ensures ultras-mooth running and energy savings
 - Tested according to EN 16005 standard
 - Automatic learn run and parameterization as per EN 16005

ES PROLINE EASY – advantages at a glance



A modular operator
ES PROLINE EASY can be configured to requirements on a modular basis.



A networked operator
The integral communication module means it can be controlled via an app.



Sustainable
When developing the ES PROLINE EASY the emphasis was on the use of energy-efficient technology such as the dormakaba Direct Drive motor technology.



A quiet operator
With its whisper-quiet running performance, ES PROLINE EASY is also suitable for noise-sensitive areas.

Technical data*

	Standard sliding door single-leaf	Standard sliding door double-leaf
Operator type		ES 400 PRO
Door parameters		
Clear passage width LW in mm	700–3,000	800–3,000
Maximum door leaf weight in kg	1 x 250	2 x 200 kg
Clear passage height LH*	2,000–3,000	2,000–3,000
* The maximum practicable dimensions are subject to the respective door plans and door requirements and depend on the selected profile system. For further information and item numbers, please refer to the ES PROLINE technical brochure, which can be downloaded from www.dormakaba.com .		

ES 250 PRO EASY

Sliding door operator

Getting started in the world of modern door operator systems



Discover the simple and reliable solution for getting started in the world of modern door operator systems. The new ES 250 PRO EASY is an operator system that perfectly combines the latest technology, energy efficiency and sustainability. At the same time, the operator fulfills the stringent design and functionality requirements of modern buildings.

Modular and versatile

The ES 250 PRO EASY is the reliable solution in the new ES PROLINE modular system with brushless operator system and direct drive unit. It is suitable for both standard doors and telescopic sliding doors. Depending on the door design, the solution easily moves door leaves weighing up to 125 kg.

Sustainable and energy-efficient

Efficiency and sustainability were the key criteria when developing the new operator. The electronic components used are state-of-the-art and consume far less energy than the previous model.

- Simply impressive:**
- Compatible with the ES PROLINE platform
 - The reliable solution in the new ES PROLINE modular system
 - Height 100 or 150 mm
 - Modular system available for automatic doors up to 2 x 125 kg/1 x 125 kg telescopic design
 - Compatible with all dormakaba sliding door profiles
 - Connections for conventional combined sensors as standard (including secondary closing edge protection as per EN 16005)
 - Door Pilot with program switch function, health check and support via dormakaba optional
- Functions:**
- Moves 2 x 125 kg door leaves
 - 1.5 million load cycles tested and certified
 - Brushless motor system of the ES PROLINE ensures ultrasmooth running and energy savings
 - Automatic learn run and parameterization as per EN 16005
 - Tested according to EN 16005 standard

ES PROLINE EASY – advantages at a glance



A modular operator
ES PROLINE EASY can be configured to requirements on a modular basis.



A networked operator
The integral communication module means it can be controlled via an app.



Sustainable
When developing the ES PROLINE EASY the emphasis was on the use of energy-efficient technology such as the dormakaba Direct Drive motor technology.



A quiet operator
With its whisper-quiet running performance, ES PROLINE EASY is also suitable for noise-sensitive areas.

Technical data*

	Standard sliding door single-leaf	Standard sliding door double-leaf
Operator type		ES 250 PRO EASY
Door parameters		
Clear passage width LW in mm	700–3,000	800–3,000
Maximum door leaf weight in kg	125	2 x 125 kg
Clear passage height LH*	2,000–3,000	2,000–3,000
	Telescopic sliding door 2-leaf	Telescopic sliding door 4-leaf
Operator type		ES 250 PRO T EASY
Door parameters		
Clear passage width LW in mm	800–2,400	1,400–4,000
Maximum door leaf weight in kg	2 x 62,5 kg	4 x 62,5 kg
Clear passage height LH*	2,000–3,000	2,000–3,000

* The maximum practicable dimensions are subject to the respective door plans and door requirements and depend on the selected profile system. For further information and item numbers, please refer to the ES PROLINE technical brochure, which can be downloaded from www.dormakaba.com.

ES 250 PRO EASY HT

Hermetic Door Operator

Health Care | Pharma | Cold Storage
Food & Beverage Industries



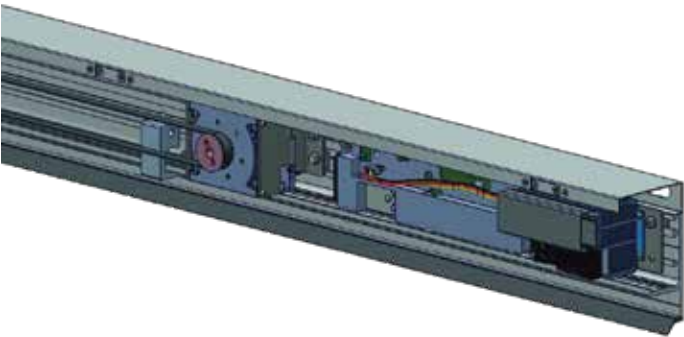
Smooth Access System; Made with Soft Roller Carrier

dormakaba ES250 PRO Easy HT automatic sliding door Operator meets the highest safety standards and is certified to EN 16005 /DIN 18650.

Tested as per European Standard EN 1026 and EN 12207 with Class "C" for Air Permeability. ISO10140-2:2010 for Acoustic up to 30 dB*.

Simply impressive:

- Compact door (Slimline 120x180mm)
 - Airtight
 - Easy to clean
 - High protection
 - Contactless access
- Operating theatres
 - CT / X-ray rooms
 - Cold storage
 - Clean rooms



Specification

Features	ES 250 PRO EASY HT
Operator parameters	
Operator Length, in mm	4300 (max.)
Operator Height in mm	120
Operator depth in mm	50
Operator D Rail Front & rear in mm	1800
Operator Type	Automatic
Operator Module	ES250 Pro Easy
Operator Profile	Alu. Profile 6063-T6
Rollers	Delrin 100P
Permeable type	Door down 8mm (With sink)
Door leaf	Single
Max. door leaf weight, Kg	1x125
Max. door leaf width specified in mm	1800
Max. door leaf thickness specified in mm	48
Settings	
Opening speed (adjustable in increments)	10–70 cm/s
Closing speed (adjustable in increments)	10–70 cm/s
Hold-open time	0–180s
Partial opening	25–300 cm
Low-speed travel Open / Close	0–30 cm
Power supply	
Supply voltage	230 V, 50/60 Hz
Power consumption	130 W
Degree of protection	IP 20
Temperature range	- 20 to + 60 °C

Accessories	
Activation	Pedal Switch, Wave Switch
Safety protection	Safety sensor
Program Switch	Lock Automatic – Nurse / Bed Open Permanent Open
Control Unit	
Microprocessor control Function programs	Off Full open in automatic Permanent / Partial Open / Exit only
Test Standards*	(achieved with mentioned door panel specification)
Noise reducing	ISO10140-2:2010 & ISO 717-1:2013
Air permeability	EN 1026, EN 12207
Door Panel	
Door panel thickness	48mm
Door leaf size, max	1475mm (SS) / 1800 (HPL)
Door frame	Alu. profile 6063
Door infill	PUF
Door skin	Satin stainless steel (SSS) High pressure laminated (HPL)
Sealing gasket	Damp seal, overlap seal, track seal, door bottom seal & frame recess seal
Vision panel	300 x 300 x 48, 5mm TG-DGU
Lever handle	Pull handle & flush pull
Noise insulation	30dB
Air permeability	200 Pa (Class C)
Permeable type	With Sink (8mm down)

EL 301 Single/Bi-Parting/ Telescopic/Automatic Door Operator



The automatic framed/frameless/SCD door operator to suit a single/double/four panel sliding door is to be a 240v fully electric dormakaba EL 301 Secure Series.

Fully housed in extruded aluminium, the operator is to include a tamper proof fully enclosed electric lock capable of locking the door leaves in any position. The operator must include a monitored battery back up system with audible alarm and be able to provide up to 48 hours of lock function during a power failure. The operator is to comply with the Australian Standard AS5007.

Simply impressive:

- Powerful 24VAC high torque motor capable of operating a total door weight capacity of 300kg
- Robust and reliable chain drive power train with a tensile strength of up to 1900kg
- UPS feature built in providing up to 300 continuous open / close cycles during a power failure
- AS5007 NATA accredited
- Tested and certified to 1,000,000 cycles

EL 301 Breakout - Frameless Glass Door/Automatic Door Operator



The automatic single / bi-parting, door operator is to be a 240v fully electric dormakaba EL 301 Frameless Breakout Series, fully housed in extruded aluminium (265 mm H x 152 mm W).

The operator must be capable of operating a total door weight up to 200 kg and in emergency be able to opened fully including the sidelights by applying an outward pressure. It is to include a monitored battery back up system with audible alarm that is able to operate the door up to 300 cycles during a power failure. The operator is to comply with the Australian Standard AS5007 and the Building Code of Australia.

Simply impressive:

- As per EL 301 features (except door weight)
- Operates as a automatic sliding door system under normal operation
- The emergency breakout/escape function is actioned by applying outward pressure to the door leaf and/or side panel which deactivates the automatic function to allow maximum unimpeded egress
- Frameless sliding door operator with emergency breakout capability (maximum required egress width)
- Standard door weight 200kg
- AS5007 NATA accredited

EL 301 Breakout - Framed Door Automatic Door Operator



The automatic single / bi-parting, door operator is to be a 240v fully electric dormakaba EL 301 Framed Breakout Series, fully housed in extruded aluminium (265 mm H x 152 mm W).

The operator must be capable of operating a total door weight up to 240kg and in emergency be able to opened fully including the sidelights by applying an outward pressure. It is to include a monitored battery back up system with audible alarm that is able to operate the door up to 300 cycles during a power failure.

The operator is to comply with the Australian Standard AS5007 and the Building Code of Australia.

Simply impressive:

- As per EL 301 features (except door weight)
- Operates as a automatic sliding door system under normal operation
- The emergency breakout/escape function is actioned by applying outward pressure to the door leaf and/or side panel which deactivates the automatic function to allow maximum unimpeded egress
- Sliding door operator with emergency breakout capability (maximum required egress width)
- Standard door weight 240kg
- AS5007 NATA accredited

AL 401 Automatic Door Operator



The automatic single / bi-parting door operator is to be a 240v fully electric dormakaba AL 401 Series, fully housed in extruded aluminium (265mmH x 152mmW) including a stainless steel track system.

The operator must be capable of operating a total door weight up to 400 kg and include a monitored battery back up system with audible alarm that is able to operate the door up to 300 cycles during a power failure.

The operator is to comply with the Australian Standard AS5007 and the Building Code of Australia.

Simply impressive:

- Powerful 3 phase 24 VAC high torque motor
- Door weight capacity 400kg
- Stainless steel track system
- Designed to suit aluminium framed and 12mm, 15mm, 19mm thick frameless glass, solid core timber or custom type doors
- AS5007 NATA accredited
- Tested and certified to 1,000,000 cycles
- Solid 12:1 ratio gearbox with steel cut gears

AL 501 Automatic Door Operator



The automatic single / bi-parting door operator is to be a 240v fully electric dormakaba AL 501 Series, fully housed in extruded aluminium (265mmH x 152mmW) including a solid aluminium track system.

The operator must be capable of operating a total door weight up to 500 kg and include a monitored battery back up system with audible alarm that is able to operate the door up to 100 cycles during a power failure.

The operator is to comply with the Australian Standard AS5007 and the Building Code of Australia.

Simply impressive:

- Powerful 3 phase 24 VAC high torque motor
Door weight capacity 500kg
- Stainless steel track system
Designed to suit aluminium framed and 12mm, 15mm, 19mm thick frameless glass, solid core timber or custom type doors
- AS5007 NATA accredited
- Solid 12:1 ratio gearbox with steel cut gears

AL 1001 Automatic Door Operator



The automatic single / bi-parting door operator is to be a 240v fully electric dormakaba AL 1001 Series, fully housed in extruded aluminium (420mm H x 152mm W) including a solid steel track system.

The operator must be capable of operating a total door weight up to 1000 kg and include a monitored battery back up system with audible alarm that is able to operate the door up to 100 cycles during a power failure.

Simply impressive:

- Powerful 3 phase 24 VAC high torque motor
- Door weight capacity 1000kg
- Solid steel track system ensures smooth operation and long term reliability
- To suit door widths up to 3000mm
- Solid 12:1 ratio gearbox with steel cut gears
- Applications include hospital lead lined doors, large wall dividers and industrial doors

Performance table

Door Parameters	EL 301	AL 401	AL 501	AL 1001
Single panel sliding door – Maximum Door width – Maximum Door weight	3000mm 300kg	3000mm 400kg	3000mm 500kg	3000mm 1000kg
Double leaf sliding door – Maximum Door width – Maximum Door weight	1500mm* 150kg	2000mm* 200kg	2000mm* 250kg	2000mm 500kg
Technical Data				
Height (Cowl)	240mm	240mm	240mm	420mm
Depth	152mm	152mm	152mm	152mm
Track Type	Aluminium	Stainless Steel	Solid Aluminium	Solid Steel
Gearbox				
Purpose designed fully enclosed with steel cut gears	●	●	●	●
Drive Train				
High Torque Motor 24V 3 Phase	●	●	●	●
Chain	●	●	●	●
Belt	○	○	○	○
Opening speed (Fully adjustable)	10 – 50cm/sec	10 – 50cm/sec	10 – 30cm/sec	10 – 30cm/sec
Closing speed (Fully adjustable)	10 – 40cm/sec	10 – 40cm/sec	10 – 30cm/sec	10 – 30cm/sec
Hold open time (Independent for Lock and Auto mode)	0 – 60 sec	0 – 60 sec	0 – 60 sec	0 – 60 sec
Power Supply	240 V, 50/60Hz	240 V, 50/60Hz	240 V, 50/60Hz	240 V, 50/60Hz
Power Consumption	175W	175W	175W	175W
Ambient Temperature	-15°C to 50°C	-15°C to 50°C	-15°C to 50°C	-15°C to 50°C
Class of protection (IP Rating)	IP20	IP20	IP20	IP20
Control Module				
Function Modes – Off/Lock – Exit – Automatic – Open	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
Electronic Mode Pad	○	○	○	○
Security Interface (Mode Control & Activation)	○	○	○	○
After Hours Exit (Night bank)	●	●	●	●
Self Learn Function	●	●	●	●
Automatic reverse on obstruction	●	●	●	●
Photo electric cells (Safety beams)	●	●	●	●
Failsafe Opening	●	●	●	●
Continuous operation under power failure (UPS)	●	●	●	●
12 VDC output	●	●	●	●
Door Management System (DMS)	○	○	○	○
Customer Approach Alarms (Lock/PE/Auto)	○	○	○	○
Locking				
Electric Motor lock (Fully enclosed/tamper resistant)	○	○	○	○
Lock Functions - Smart/Emergency/Pharmacy	○	○	○	○
Door Lock in any position	○	○	○	○
Standard ● Optional ○	○	○	○	○

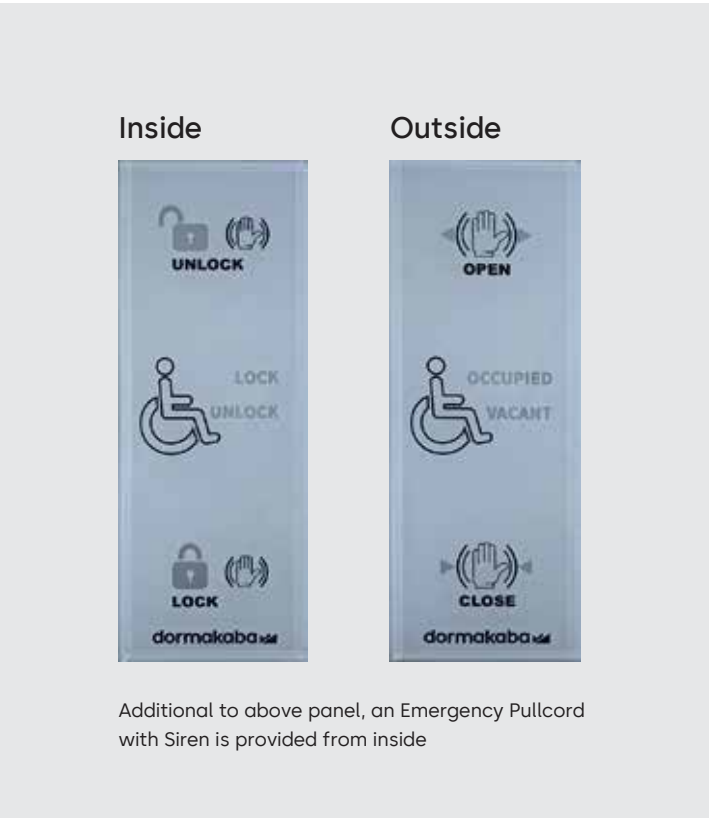
*larger door sizes upon request



Restroom Solutions

Automatic entrance door solution for person with disability and elderly people

Special Door Solution

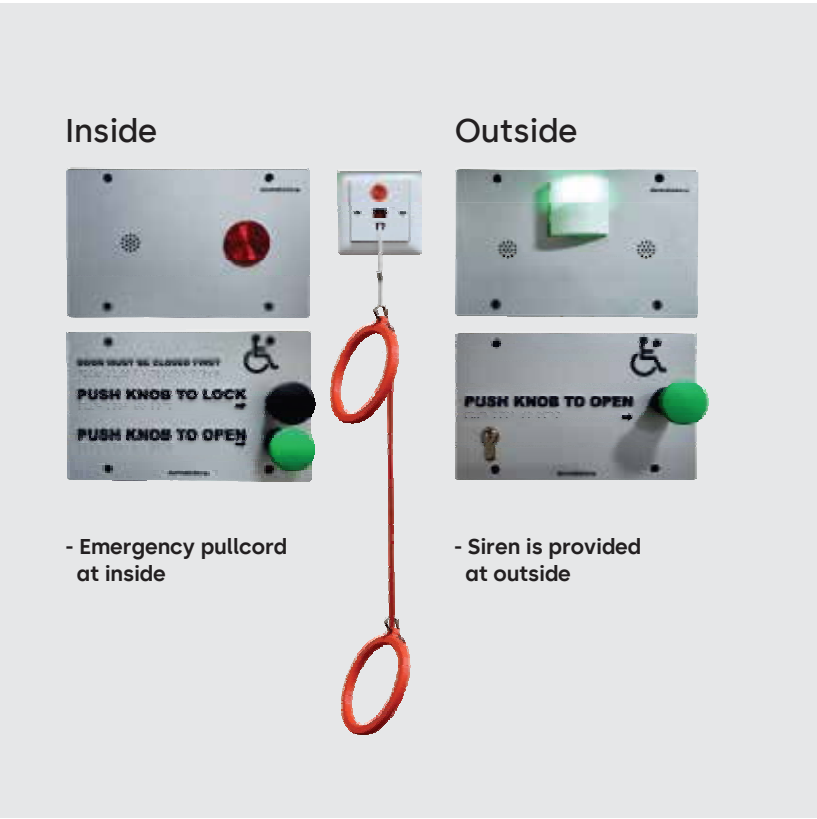


The Privacy door kit system the ideal automated door solution for People with disability and elderly room and baby change facilities.

Simply impressive:

- Restroom solution is the ideal Automated Toilet entrance door for disabled, elderly and Hospital applications
- Disabled Toilet Entrance can be fitted to either automatic swing or sliding door operators depending on the required design applications
- Easy to use and Flexible interface with Automatic Sliding & Swing Door Operators
- Optional Staff override function is available in case emergency support required by the user
- Voice assisted information about system status eg. Opening, Closing, locking and occupied status
- Touch Free Integrated Single panel for opening, closing and locking the system
- For additional safety, user is equipped with an emergency pull-cord from inside which triggers the outside siren
- During this emergency time, the door can be opened with the help of outside wave panel without the requirement of any physical key switch

PWD Braille Access Kit



The Privacy door kit system the ideal automated door solution for People with disability and elderly room and baby change facilities.

Simply impressive:

- Restroom solution is the ideal Automated Toilet entrance door for disabled, elderly and Hospital applications
- Disabled Toilet Entrance can be fitted to either automatic swing or sliding door operators depending on the required design applications
- Easy to use and Flexible interface with Automatic Door Operators
- Optional Staff override function is available in case emergency support required by the user
- Voice assisted information about system status eg. Opening, Closing, locking and occupied status
- IP 67 Pushbutton Integrated Single panel for opening, closing and locking the system
- For additional safety, user is equipped with an emergency pull-cord from inside which triggers the outside siren
- During the emergency time, the door can be opened with the help of key switch from outside

Automatic curved sliding door

BST/FBST



With dormakaba curved sliding door systems, entrance areas can be interestingly and individually designed: curved half-circles, full-circles, ovals, double-segments – so much is possible. With max. leaf weights of 130 kg each with the BST variant or max. 110 kg with the FBST escape and rescue route variant, access widths from 1,000 to 2,500 mm can be implemented. Thanks to their design variety and great variability, curved sliding doors offer an abundance of design options.

Simply impressive:

- Versatile in use
- High opening convenience
- Large selection of modular components and operation modes
- Adjustable speeds
- Optionally available with escape and rescue route (FBST)
- Type-tested and certified as per DIN 18650/EN 16005

Revolving doors

at a glance

Thanks to their enclosed design, revolving doors ensure that energy is saved to the maximum extent possible when people enter and leave a building. By eliminating draughts normally associated with opening doors, the interior near the revolving door can be optimally used for reception or seating areas. An optimum flow of visitors and employees is assured as people can pass in and out of the building at the same time.

Simply impressive:

- Large selection of modular components and operation modes
- Double-leaf to quadruple-leaf variants
- With or without night shield with a wide variety of different locking options
- Manual, equipped with automatic positioning mechanism
- Servo-supported or automatic revolving doors



Revolving doors

at a glance



	KTV 3/KTV 4	KTV ATRIUM FLEX	KTC2
Type	Standard revolving door	Full-glass revolving door	Open-plan revolving door
Diameter (mm)	2,000-3,800	2,000-3,000	3,600-5,400
Volume of people/minute ²⁾	22-46	22-39	28-58
Operating modes			
Manual	●	●	
Automatic positioning system	●	●	
Servo mode	●	●	
Automatic	●	●	●
Number of leaves	3 and 4	3 and 4	2
With integrated sliding door			●
Escape route suitability ³⁾	○		
Glass ceiling		●	
Showcase			○

● Standard ○ Optional

1) Depending on the number of leaves
2) Depending on the diameter and number of leaves
3) Depending on the locally applicable requirements

KTV 3/KTV

Manual, power-supported or fully automatic triple-leaf and quadruple-leaf revolving doors up to 3.8 m in diameter.

- Simply impressive:**
- Planning reliability thanks to the upgrading options of the operator system
 - Direct drive enables high running smoothness and positioning precision
 - Versatile equipment options
 - Twin-brush system for especially low air exchange and reduced heat loss
 - Triple-leaf and quadruple-leaf versions
 - Type-tested and certified as per DIN 18650/EN 16005
 - Night shield with RC2
 - Environmental product declaration (EPD) available



KTV ATRIUM FLEX

Full-glass revolving doors with three and four door leaves, with glass ceiling, direct drive in the ceiling.

- Simply impressive:**
- Non-visible operator and control technology
 - Operation modes: manual, servomatic and automatic positioning control
 - Type-tested and certified as per DIN 18650/EN 16005



KTC 2

Double-leaf open-plan revolving doors with integrated automatic ST FLEX sliding door.

- Simply impressive:**
- High opening convenience
 - Adjustable speeds
 - Maximum possible flexibility thanks to operation either as a revolving door or sliding door as desired
 - Integrated night shield
 - Integrated automatic sliding door, dormakaba operator
 - Environmental product declaration (EPD) available
 - Type-tested and certified as per DIN 18650/EN 16005



Security revolving doors



The Geryon product family includes security revolving doors and security turnstiles. Security revolving doors are suitable for both indoor use and entrances.

- Simply impressive:**
- People cannot be locked in thanks to the lock limiting point
 - Protective sensors as per EN 16005
 - IR sensors as standard
 - Models with resistance classes RC2 and RC3
 - Full-glass systems with floor-integrated drive unit
 - Optional scales installation, weight limits or actual weight
 - Optional night lock
 - Optional optical separation via SRD Vision

Geryon SRD



Geryon SRD	
Type	Security revolving door
Diameter (mm)	1,500-2,020
Volume of people/minute ²⁾	16-28
Operating modes	
Manual	●
Automatic positioning system	●
Servo mode	●
Automatic	●
Number of leaves	3 and 4
Resistance class	RC 2 and RC 3
Escape route suitability ³⁾	○
Glass ceiling	○
Pedestrian flow control	○
Bullet- and burglary-resistant	○

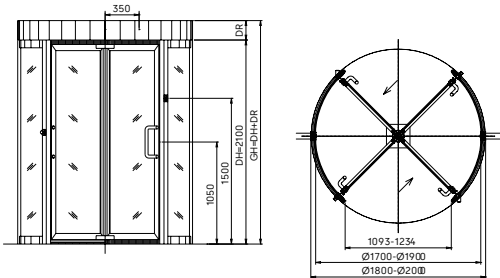
● Standard ○ Optional

1) Depending on the number of leaves
2) Depending on the diameter and number of leaves
3) Depending on the locally applicable requirements

Geryon security revolving doors



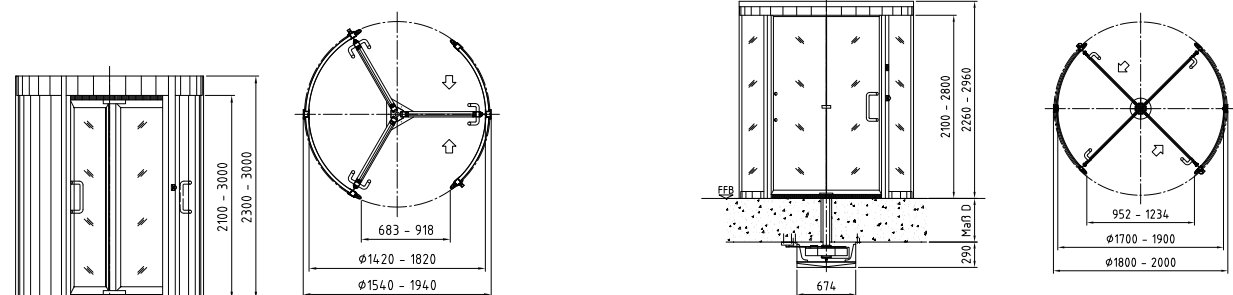
Basic equipment		SRD-E01
Construction	Outside diameter	1500 – 2000 (standard spacing 100).
	Total height	2300
	Passage height	2100
	Upper part of body	200
	Number of door wings	3 or 4
	Rotary cycle	120° or 180° (Ø 1800 and larger).
Body	Side panels	With glass panel, alternatively metal-clad.
	Thermal separation	In facade level.
	Safety strips	On opposite closing edges.
	Top cover	Raw aluminium plate, dustproof.
	Maintenance openings	Two, in the lower ceiling plate.
Rotating unit	Framed in T40 light metal profiles.	
	With sealing brushes.	
	Black U-shaped handles.	
	Horizontal and vertical safety strips on the door leaves.	
Finish	Powder-coated in a RAL colour.	
Function	PR-1 position control drive for automatic access control.	
	Started by manually pushing door after release signal.	
	Sensor system in the ceiling monitors the intermediate segment, incl. emergency release button.	
	In the event of a power failure	End point locking system, default can be set to turn freely or lock.
Electrical components	Two emergency stop switches.	
	The control unit is integrated into the unit.	
	Power supply 100-130, 60 Hz or 220-240 VAC, 50 Hz.	
	Standby power 60 VA.	
Installation	On finished floor level (FFL).	



All dimensions in mm



SRD-C01	SRD-S01
1520 – 2020 (standard spacing 100).	1500 - 2000 (standard spacing 100).
2300	2260
2100	2100
200	–
3 or 4	3 or 4
120° or 180° (Ø 1820 and larger).	120° or 180° (Ø 1800 and larger).
Metal-clad with steel or stainless steel sub-structure, alternatively with glazing.	With glass panel and filigree profiles, glass ceiling made of laminated safety glass.
–	In facade level.
On opposite closing edges.	On opposite closing edges.
Raw aluminium plate, dustproof.	Laminated safety glass ceiling.
Two, in the lower ceiling plate.	–
Framed in T56 light metal profiles.	T25 without centre column or profile, toughened safety glass.
With sealing brushes.	With sealing brushes.
Black U-shaped handles.	Black U-shaped handles.
Horizontal and vertical safety strips on the door leaves.	Horizontal and vertical safety strips on the door leaves.
Powder-coated in a RAL colour.	Powder-coated in a RAL colour.
PR-1 position control drive for automatic access control.	PR-1 position control drive for automatic access control (underfloor).
Started by manually pushing door after release signal.	Started by manually pushing door after release signal.
Sensor system in the ceiling monitors the intermediate segment, incl. emergency release button.	Sensor system in the ceiling (centre cross beam) and 1-zone contact mat/s monitor the intermediate segment/s (observe the restricted installation possibility for the sensor system), incl. emergency release button.
End point locking system locked.	End point locking system, default can be set to turn freely or lock.
Two emergency stop switches.	Two emergency stop switches.
The control unit is integrated into the unit.	Subsurface mounted control system.
Power supply 100-130, 60 Hz or 220-240 VAC, 50 Hz.	Power supply 100-130, 60 Hz or 220-240 VAC, 50 Hz.
Standby power 60 VA.	Standby power 60 VA.
On finished floor level (FFL).	On finished floor level (FFL), underfloor drive.



Geryon SRD-E01

The system can optionally be supplied with resistance class RC2.

Simply impressive:

- With glass filling, alternatively with metal panelling
- Rigid T40 door-leaf cross, optional retractable T56 door-leaf cross
- Customer-specific separation level adjustable using various different sensor technologies



Geryon SRD-C01

The Geryon SRD-C01 security revolving door is covered in metal as standard, but can be supplied with a glass cover. RC3 is available as an option. Optional bullet-resistant version.

Simply impressive:

- Visible surfaces made of stainless steel
- Optional glazing
- Optional weight monitoring or contact mat



Security revolving doors

Geryon SRD-S01



The Geryon SRD-S01 security revolving door is a full-glass system optionally available with resistance class RC2. Especially suitable for representative environments.

Simply impressive:

- With glass filling
- Full-glass system, no metal panelling
- With glass filling and ultra-slim profiles
- Laminated safety glass ceiling
- T25 without centre column or profile, glazing made of TSG
- Single-zone contact mat(s) monitor(s) the blocked segment(s), control unit installed under floor

Geryon STS-S02



Security turnstile for controlled access.

Simply impressive:

- People cannot be locked in thanks to the lock limiting point
- With laminated safety glass 8 filling
- Aluminium sheet dust-tight at top
- Control unit integrated into system
- Two maintenance doors in lower ceiling panel
- Blocking element made of lightweight rectangular metal profiles
- Bars optionally available as stainless steel bent tubes or acrylic glass elements

Personal interlocks

at a glance



Standard systems	PIL-S01	PIL-C01	PIL-M01
Structure			
External diameter (mm)	1,020, 1,120, 1,220, 1,320, 1,420, 1,520, 1,620	1,020, 1,220	
External dimension			Depends on combination
Upper part length (mm)			800–2,000
Clear passage width (mm)	520, 580, 650, 710, 780, 840, 910	550, 680	800–1,200
Total height (mm)	2,300	2,400	2,330
Clear passage height (mm)	2,100	2,100	2,100
Upper body part (mm)	200	300	230
Body			
Side screens with glass filling, alternatively with metal panelling	●		
Side screens with steel substructure with metal panelling		●	
Upper part with dust-tight cover and ceiling panel contains control unit and monitoring elements			●
Resistance class			
With RC 2	○		○
RC 3 or RC 4			○
With WK 2 or WK 3		○	
Indoors			
Includes black rubber coating	●		
Includes lighting		●	
With surface lighting button as relaying element			●
Exterior door/interior door			
Swing door, folding leaf, sliding door, fire door or on site			○
Sliding doors			
Made of lightweight metal profiles with curved glass, profile-level outside	●		
Made of lightweight metal profiles with curved glass, profile-level outside. Version corresponds to selected resistance class		●	

● Standard ○ Optional



The electronically monitored Orthos security interlocks meet the highest security requirements and offer optimal security for the sensitive areas of a building.

The Orthos product family includes all types of personal interlocks, whether round or angular, for individual passage and interlocks with multiple door systems one after another which can only be passed in one direction.

Simply impressive:

- Contact mats for high security
- Additional security thanks to scales installation, weight limit or actual weight
- Resistance classes RC2, RC3 and up to RC4 for cubic interlocks
- PMA release switch in the interlock opens exterior door
- Optional door leaf and bi-folding doors and automatic locking device
- Optional fire door
- Optional escape route function
- Optional bullet- and burglary-resistance
- Elegant glass systems
- Smooth, low-noise running

Personal interlocks

Orthos PIL-S01

Versatile round personal interlock.

- Simply impressive:**
- With glass filling, alternatively with metal panelling
 - Interior space with surface lighting button as relaying element
 - Includes single-zone contact mat with black rubber coating
 - Light curtain for contactless security



Orthos PIL-C01

Versatile round personal interlock, including LED lighting.

- Simply impressive:**
- With steel substructure with metal panelling
 - Made of lightweight metal profiles with curved glass, profile-level outside
 - Accompanying safety bumpers on the main closing edges



Personal interlocks

Orthos PIL-M01



Versatile cubic personal interlock.

Simply impressive:

- Upper body part with dust-tight cover and ceiling panel includes control unit and monitoring elements
- Optional (interior and exterior door): swing door, bi-folding door, sliding door or fire door
- Interior space with surface lighting button as relaying element
- ETS 21 CAN bus control unit integrated into the system
- Installation of the drum walls on finished floor

Orthos PIL-M02

Ensures secure access in case of a large number of people in one direction. The door detects and impedes access attempts in the unauthorised direction.

Simply impressive:

- Detection of objects thrown through (optional)
- High degree of modularity
- No access from above required: control units installed in drum wall
- Sensors not dependent on ambient light
- Open ceiling structure (easy integration into existing smoke detector and sprinkler systems)



Tripod turnstiles



To free up the reception personnel, half-height tripod turnstiles handle access control in entrances to office and administration buildings, industrial plants, banks, government facilities and many sport and recreational facilities. They're fast, reliable and easy to operate.

Simply impressive:

- Retractable bars and automatic resetting
- Modular individual and multiple setup
- Convenient passage thanks to a servo-positioning drive
- Minimal energy consumption thanks to a low-energy operator
- Safe passage thanks to a low-energy operator
- Suitable for setup in the open
- With additional equipment, suitable for setup in escape and emergency routes
- Barrier-free solutions in combination with automatic swing doors with a matching design
- Motorised movement; servo-positioning drive/ two directions electrically controlled



Kerberos TPB-E01
Three-arm tripod turnstile with housing and stands in a single unit.



Kerberos TPB-E02
Three-arm tripod turnstile with housing and stands in a single unit.



Tripod Turnstile TPB E01-C
Three-arm tripod turnstile with housing, featuring a base column and flange plate.

Half-height turnstiles



Half-height Charon turnstiles are suitable for sophisticated interior design thanks to a large number of design variants. In representative entrance areas, VIP rooms and when entering executive suites, these stylish turnstiles control visitor and employee flows in combination with swing doors. All systems can be combined with time registration systems and ID card readers, including contactless and biometric systems.

- Simply impressive:**
- Smooth, low-noise running
 - Movement is motorised: servo-positioning drive in two directions, electrically controlled
 - Movement is motorised
 - Low power consumption
 - Elegant, transparent design
 - Space-saving, even with multiple setup
 - Convenient passage thanks to a servo-positioning drive
 - Barrier-free solutions with automatic swing doors with a corresponding design
 - Swing doors suitable for setup in escape and emergency routes
 - Design variety for glass leaves, guiding elements and push bars
 - Height can be adjusted up to 1,200 mm upon request



Charon HTS-E01
Turnstile with three stainless steel bent-tube blocking elements.



Charon HTS-E03
Turnstile with three high glass elements and stainless steel push bars.



Charon HTS-M01
Turnstile with swing door, high glass elements and stainless steel push bars. Turnstile with 180° turn cycle for person separation and transport opening as soon as the turnstile and swing door are opened together at 90°.



Charon HTS-L01
Turnstile with three rod-shaped stainless steel blocking bars each, blocking element made of stainless steel sheeting with posts for security against unauthorised passage in the blocked segment.



Charon HTS-L02
Double-turnstile with three rod-shaped blocking bars each, three each made of stainless steel.

Full-height turnstiles



For reliable security at:

- Manufacturing plants
- Company sites
- Airports and ports
- Power plants
- Car parks
- Bicycle stands
- Correctional facilities
- Military installations
- Educational centres
- Stadiums
- Amusement parks

Throughput = up to rate 20 per minute
Security level = ●●●●○
Comfort = ●●●○○



Full-height turnstiles



Standard units	FTS I-02	FTS I-03
Construction		
Column diameter	1070	1240
Portal width	1370	1540
Total height (without opt. roof)	2270	2270
Passage height	2075	2075
Passage width	547	632
Portal and housing	Stainless Steel	Stainless Steel
Lockable maintenance opening	Stainless Steel	Stainless Steel
Rotating unit with tubular column, Ø76 mm	180° each with 11 straight, made of glossy AISI 304 Stainless Steel	120° each with 11 straight, made of glossy AISI 304 Stainless Steel
Barrier element	With 11 straight crossbars made of Stainless steel SS304	With 11 straight crossbars made of Stainless steel SS304
Passage limitation	With steel columns and climb-over protection.	With steel columns and climb-over protection.
Finish	Gloss AISI 304 Stainless Steel	Gloss AISI 304 Stainless Steel
Rotor	2-blade rotor	3-blade rotor
Function	Power Assist (Motorized)	Power Assist (Motorized)
Safety	DIN EN 17352 : 2022	DIN EN 17352 : 2022
Electrical equipment	Control system integrated in the unit (ETS22cc)	Control system integrated in the unit (ETS22cc)
Power supply	100 – 240 VAC, 50/60 Hz, 253 VA.	100 – 240 VAC, 50/60 Hz, 253 VA.
Standby power consumption	10 VA.	10 VA.
Operating Mode	120 VA	120 VA
Connected Load for fuse & Wiring	253 VA	253 VA
Installation	Finish floor Sub-floor Sleeve foundation	Finish floor Sub-floor Sleeve foundation
Protection classes	IP54	IP54
Throughput	20 person/ min	20 person/ min
MCBF	4 Million Cycles	4 Million Cycles
Duty Cycle	100%	100%
Temperature Range	-20° C to +55° C,	-20° C to +55° C,
Total Weight including packing	Approx 500 Kg	Approx 500 Kg
Certificate	CE	CE

**** Type 2
Power-assisted motion; servo-positioning drive/electrically controlled in both directions (behaviour in event of power failure can be selected for each direction: free or blocked)

All dimensions in mm



FTS I-04
1240
1540
2270
2075
540
Stainless Steel
Stainless Steel
90° each with 11 straight, made of glossy AISI 304 Stainless Steel
With 11 straight crossbars made of Stainless steel Ss304
With steel columns and climb-over protection.
Gloss AISI 304 Stainless Steel
4-blade rotor
Power Assist (Motorized)
DIN EN 17352 : 2022
Control system integrated in the unit (ETS22cc)
100 – 240 VAC, 50/60 Hz, 253 VA.
10 VA.
120 VA
253 VA
Finish floor Sub-floor Sleeve foundation
IP54
20 person/ min
4 Million Cycles
100%
-20° C to +55° C,
Approx 500 Kg
CE



Description	FGE I01
Construction	
Column diameter	1300
Portal width	2346
Total height	2270
Passage width	630
Portal and housing	Stainless Steel
Passage height	2075
Lockable maintenance opening	Stainless Steel
Rotating unit with tubular column	120° each with 11 straight, made of glossy AISI 304 Stainless Steel
Barrier element	With 21 straight crossbars made of Stainless steel SS304
Finish	Gloss AISI 304 Stainless Steel
Safety	DIN EN 17352 : 2022
Rotor	3-blade rotor
Function	Power Assist (Motorized)
Electrical equipment	Control system integrated in the unit. (ETS22cc)
Power supply	100 – 240 VAC, 50/60 Hz, 253 VA.
Standby power consumption	10 VA.
Operating Mode	120 VA
Connected Load (Max)	253 VA
Installation	Finish floor Sub-floor Sleeve foundation
Protection classes	IP54
Throughput	40 person/ min
MCBF	4 Million Cycles
Duty Cycle	100%
Temperature Range	-20° C to +55° C,
Total Weight including packing	Approx. 700 kg
Certificate	CE

Full-height turnstiles



Standard unit		FGE - I01
Application		Barrier-free passage of persons and material handling.
Construction	Portal width	1370
	Total height (without opt. roof)	2270
	Passage height	2060
	Passage width	1080
	Portal and housing	Steel.
	Lockable maintenance opening	Aluminium.
	Hinge door with tubular column, Ø 60 mm	With 11 bar-shaped glossy stainless steel AISI 304 crossbars
Finish		Stainless steel elements glossy AISI 304, Hot-dip galvanised steel elements. Aluminium elements in RAL 9006 (white aluminium).
		C3 according to DIN EN ISO 12944-2.
Corrosiveness category		
Function		Type 2*****
Electrical equipment		The control unit is integrated into the unit.
	Power supply	100 - 240 VAC, 50/60 Hz, 253 VA.
	Standby power consumption	20 VA.
Installation		In sleeve foundation, measure X = 150 mm.
		Suitable for max. snow load of 4.28 kN/m². Suitable for max. wind speed of 108 km/h.
Protection classes		Housing IP33, components conducting supply voltage IP43.

All dimensions in mm



Argus Sensor Barriers

Argus 40

The compact model has everything an elegant sensor interlock needs.

- Simply impressive:**
- With a length of just 1,200 mm, this interlock is also suitable for tight installation situations
 - Impresses with its high-quality materials and functional basic configuration
 - Optionally, panels can close the open body in the centre of the profile
 - A compact sensor interlock with a puristic look



Argus 80

A consistently high-quality design: The interlock has an especially solid and stylish appearance, as the upper part and the vertical frame parts are seamlessly formed as one piece (full-cast layer) on the front and back. The shimmering metal has the effect of an "endless" handrail here. The full-cast layer extends the interlock by only 1 cm.

- Simply impressive:**
- Extensive colour combinations
 - Chase
 - Ambient downlights
 - Can be customised
 - Highly transparent door leaves
 - Optionally, the door leaves can be elevated in comparison to the standard variant



Argus 60

The interlock becomes a real highlight in the foyer. The 1,650-mm-long variant of the sensor interlock offers more options than the Argus 40.

- Simply impressive:**
- Increase in the security level
 - Additional sensor via strip running vertically to horizontal protection sensor strip
 - Light strip on handrail
 - Ambient downlights
 - Highly transparent door leaves
 - Optionally, the door leaves can be elevated in comparison to the standard variant



Argus V60

With a housing depth of only 240 mm, the Argus V60 is a full-performance sensor interlock ideal for use where space is limited. The reader units can be installed the same way as other versions of the Argus product range.

- Simply impressive:**
- Sophisticated, elegant design
 - Compact design for minimal space requirements
 - Available in many material and colour combinations
 - High level of security and user acceptance



Argus Sensor Barriers

Argus Air Security

The "self-guided journey" begins as soon as you enter the security area. Argus Air Security ensures maximum security with a fast flow of people.

Simply impressive:

- Secure, fast identification with biometrics for national and international flights
- Precise detection thanks to state-of-the-art sensors
- Complete separation of driving and closing forces for uninterrupted data streams
- High-quality, modular design that's easy to maintain
- Easy Load printer: extremely quick and easy change of paper rolls



Argus Air Lounge

Business lounge guests expect exclusivity and first-class service, with easy, fast access.

Simply impressive:

- Exclusive lounge access for authorised persons only
- User-friendly bidirectional functionality
- Multiple release so guests can be brought in easily
- Identity verification with biometrics
- Space-saving, slimline and short design
- Elegant and inviting look



Argus Air Interlock

Secure access control for automated border crossing. Additional safety is provided by raised door leaves and optimised guide elements.

Simply impressive:

- Complete facial recognition system from a single source
- Door leaves can be raised up to an upper edge of 1,800 mm
- Integration of all common barcode, NFC, RFID and ID document scanners
- Different passage widths depending on user groups
- Barrier interiors and system lengths can be individually adapted



Argus Air Boarding

With seamless control, automated self-boarding provides additional safety at the gate and more convenience for passengers.

Simply impressive:

- Priority and zone boarding
- Disembarking can be done with the same eGate
- High-end sensor technology prevents swapping and tailgating
- Identity verification with optional biometrics
- High-quality, modular design that's easy to maintain
- Easy Load printer: paper rolls are extremely quick and easy to change



Argus Sensor Barriers

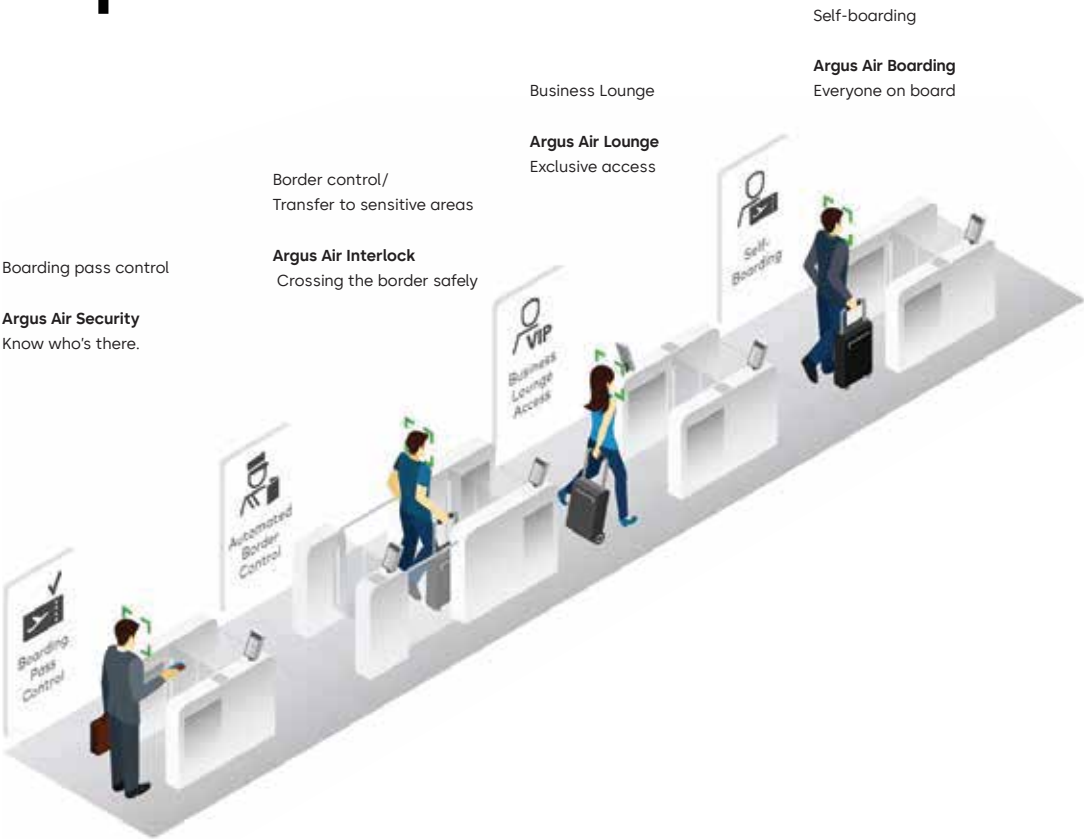
Argus Air XS

The ultra-compact sensor-based barriers of Argus Air XS combine high levels of safety and performance with optimal use of floor space.

- Simply impressive:**
- Ultra-compact design with a length of only 900 mm
 - Features almost all the functions of the Argus Air Security, Lounge and Boarding models
 - High reliability with 10m MCBF for stable uptime
 - Maximum security through tailgating detection and optional facial recognition
 - Simple maintenance concept thanks to the modular design



From security to departure



Argus Sensor Barriers



Standard units		HSB-E10
Construction	Interlock height	1020
	Interlock length	1470
	Passage width	650
	Total width	1050
	Housing, base columns, guiding elements	AISI 304 stainless steel with satin finish.
	Barrier elements	Two door leaves made of transparent polycarbonate, upper edge 900 mm.
		Swinging area monitored by separation sensors.
Finish		Stainless steel satin finish.
Function		Type 2 *
	Drives	Integrated in the swing tube.
		Security level 0. Passage area monitored by simple sensor system with a short installation length (simple level of single passage monitoring in both directions).
	Operating modes	Closed.**
Electrical components		Control system and power supply integrated in the unit.
	Power supply	100 - 240 VAC, 50/60 Hz, 368 VA.
	Standby power consumption	17 VA.
	Standard adjustment in event of power failure	Door leaves move freely.
Installation		Dowelled on finished floor level, FFL.
		Not suitable for outdoor installation.
Protection classes		Housing IP43, components conducting supply voltage IP43.

* Type 2: power-assisted motion; two servo-positioning drives/electrically controlled in both directions.

** Basic position **open** "day operation": the door leaves are closed automatically if authorisation is not granted for passage. Basic position **closed** "night-operation": the door leaves open automatically in the direction of passage and then close again if authorisation is granted.

All dimensions in mm



HSB-E08	
945	
2010	
650	
1070	
AISI 304 Ø 60 mm stainless steel tube with 10 mm toughened safety glass panel and AISI 304 stainless steel handrail as well as horizontal and vertical sensors mounted on the guiding elements.	
Two door leaves made of transparent polycarbonate, upper edge 900 mm.	
Swinging area monitored by separation sensors.	
Stainless steel satin finish.	
Type 2 *	
Integrated in the swing tube.	
Security level 2. Passage area monitored by enhanced sensor system with an optimised installation length and arrangement (increased level of single passage monitoring in both directions). Integrated sneak-by guard, detection of children and trolley cases.	
Open or closed.**	
Control system and power supply integrated in the unit.	
100 - 240 VAC, 50/60 Hz, 368 VA.	
17 VA.	
Door leaves move freely.	
Dowelled on finished floor level, FFL.	
Not suitable for outdoor installation.	
Housing IP32, components conducting supply voltage IP42.	

Argus Sensor Barriers



Standard units		HSB-E12
Construction	Interlock height	1600
	Interlock length	2050
	Passage width	650
	Total width	1050
	Housing, base columns, guiding elements	AISI 304 stainless steel with satin finish.
	Barrier elements	Two door leaves made of transparent polycarbonate, upper edge 1600 mm. Swinging area monitored by separation sensors.
Finish	Stainless steel satin finish.	
Function	Type 2 *	
	Drives	Integrated in the swing tube. Security level 2. Passage area monitored by enhanced sensor system with an optimised installation length and arrangement (increased level of single passage monitoring in both directions). Integrated sneak-by guard, detection of children and trolley cases.
Operating modes		Open or closed.**
Electrical components		Control system and power supply integrated in the unit.
Power supply		100 - 240 VAC, 50/60 Hz, 368 VA.
Standby power consumption		17 VA.
Standard adjustment in event of power failure		Door leaves move freely.
Installation	Dowelled on finished floor level, FFL.	
	Not suitable for outdoor installation.	
Protection classes		Housing IP43, components conducting supply voltage IP43.

* Type 2: power-assisted motion; two servo-positioning drives/electrically controlled in both directions.
**Basic position open "day operation": the door leaves are closed automatically if authorisation is not granted for passage. Basic position closed "night operation": the door leaves open automatically in the direction of passage and then close again if authorisation is granted.



Argus Sensor Barriers



Standard units	HSB E07 C1	HSB E07 S1
Construction	Interlock height (mm)	1000
	Interlock length (mm)	1660
	Passage width (mm)	650 (Normal Lane), 900 (Wider Lane)
	Total width (mm)	1070 (Normal Lane), 1320 (Wider Lane)
	Total Weight	320 kgs.
	Housing, base columns, guiding elements	AISI 304, 130mm width of the base column with 10mm toughened safety glass panel and AISI 304 stainless steel handrail with black lid at the corner.
	Barrier elements	Two door leaves made of transparent polycarbonate, upper edge 900mm
		Swinging area monitored by separation sensors.
Safety + Security	Bottom Sensor (IR) 10Pair (20Nos) Detection of children and luggage or rolling cases.	Bottom Sensor (IR) 10Pair (20Nos) Detection of children and luggage or rolling cases.
Door Wings Height (mm)	900	900
Finish	Stainless steel satin finish.	Stainless steel satin finish.
Safety	Low energy drive with energy content less than 1.69 joules.	Low energy drive with energy content less than 1.69 joules.
Function	Type 2 – power assisted motion; two servo-positioning drives/electrically controlled in both directions.	Type 2 – power assisted motion; two servo-positioning drives/electrically controlled in both directions.
	Drives	Integrated in the swing tube.
	Operating modes	Optical. Normally closed. Normally opened. (Barriers close on tailgate event)
		Optical. Normally closed. Normally opened. (Barriers close on tailgate event)
Electrical components	Control system and power supply integrated in the unit.	Control system and power supply integrated in the unit.
	Power supply	100 - 240 VAC, 50/60 Hz
	Standby power consumption	17 VA.
	Standard adjustment in event of power failure	Door leaves move freely.
Throughput	30 person/min	30 person/min
MCBF (mean cycles between failures)	10 Million Cycles	10 Million Cycles
Temperature Range	+5°C to +40°C	+5°C to +40°C
Installation	Dowelled on finished floor level, FFL. Not suitable for outdoor installation.	Dowelled on finished floor level, FFL. Not suitable for outdoor installation.
Protection classes	IP43	IP43
Duty Cycle	100%	100%
Certificate	CE, CII Green Product	CE, CII Green Product



HSB E07 X1
1000
1660
650 (Normal Lane), 900 (Wider Lane)
1070 (Normal Lane), 1320 (Wider Lane)
320 kgs.
AISI 304, 130mm width of the base column with 10mm toughened safety glass panel and AISI 304 stainless steel handrail with black lid at the corner.
Two door leaves made of transparent polycarbonate, upper edge 900mm
Swinging area monitored by separation sensors.
Bottom Sensor (IR) 10Pair (20Nos) Detection of children and luggage or rolling cases.
900 - 1800
Stainless steel satin finish.
Low energy drive with energy content less than 1.69 joules.
Type 2 – power assisted motion; two servo-positioning drives/electrically controlled in both directions.
Integrated in the swing tube.
Optical. Normally closed. Normally opened. (Barriers close on tailgate event)
Control system and power supply integrated in the unit.
100 - 240 VAC, 50/60 Hz
17 VA.
Door leaves move freely.
30 person/min
10 Million Cycles
+5°C to +40°C
Dowelled on finished floor level, FFL. Not suitable for outdoor installation.
IP43
100%
CE, CII Green Product



HSB E07 Z1
1050
1660
650 (Normal Lane), 900 (Wider Lane)
1090 (Normal Lane), 1340 (Wider Lane)
320 kgs.
AISI 304, 150mm width of the base column with 10mm toughened safety glass panel and AISI 304 stainless steel handrail with black lid at the corner.
Two door leaves made of transparent polycarbonate, upper edge 900mm
Swinging area monitored by separation sensors.
Bottom Sensor (IR) 10Pair (20Nos) Detection of children and luggage or rolling cases.
900
Stainless steel satin finish.
Low energy drive with energy content less than 1.69 joules.
Type 2 – power assisted motion; two servo-positioning drives/electrically controlled in both directions.
Integrated in the swing tube.
Optical. Normally closed. Normally opened. (Barriers close on tailgate event)
Control system and power supply integrated in the unit.
100 - 240 VAC, 50/60 Hz
17 VA.
Door leaves move freely.
30 person/min
10 Million Cycles
+5°C to +40°C
Dowelled on finished floor level, FFL. Not suitable for outdoor installation.
IP43
100%
CE, CII Green Product



HSB E11 C1
1000
1290
650 (Normal Lane), 900 (Wider Lane)
1070 (Normal Lane), 1320 (Wider Lane)
160 kgs.
AISI 304, 130mm width of the base column with 10mm toughened safety glass panel and AISI 304 stainless steel handrail with black lid at the corner.
Two door leaves made of transparent polycarbonate, upper edge 900mm
Swinging area monitored by separation sensors.
Top Sensor (IR) - 10 Pair (20Nos.)
900
Stainless steel satin finish.
Low energy drive with energy content less than 1.69 joules.
Type 2 – power assisted motion; two servo-positioning drives/electrically controlled in both directions.
Integrated in the swing tube.
Optical. Normally closed. Normally opened. (Barriers close on tailgate event)
Control system and power supply integrated in the unit.
100 - 240 VAC, 50/60 Hz
17 VA.
Door leaves move freely.
30 person/min
10 Million Cycles
+5°C to +40°C
Dowelled on finished floor level, FFL. Not suitable for outdoor installation.
IP43
100%
CE, CII Green Product

Argus Sensor Barriers



Standard units	
Construction	Interlock height (mm)
	Interlock length (mm)
	Passage width (mm)
	Total width (mm)
	Total Weight
Housing, base columns, guiding elements	
Barrier elements	
Safety + Security	
Door Wings Height (mm)	
Finish	
Safety	
Function	
	Drives
	Operating modes
Electrical components	
	Power supply
	Standby power consumption
	Standard adjustment in event of power failure
Throughput	
MCBF (mean cycles between failures)	
Temperature Range	
Installation	
Protection classes	
Duty Cycle	
Certificate	

HSB E11 S1	
1000	
1290	
650 (Normal Lane), 900 (Wider Lane)	
1070 (Normal Lane), 1320 (Wider Lane)	
160 kgs.	
AISI 304, 130mm width of the base column with 10mm toughened safety glass panel and AISI 304 stainless steel handrail with black lid at the corner.	
Two door leaves made of transparent polycarbonate, upper edge 900mm	
Swinging area monitored by separation sensors.	
Top Sensor (IR) - 10 Pair (20Nos.)	
900	
Stainless steel satin finish.	
Low energy drive with energy content less than 1.69 joules.	
Type 2 – power assisted motion; two servo-positioning drives/electrically controlled in both directions.	
Integrated in the swing tube.	
Optical.	
Normally closed.	
Normally opened. (Barriers close on tailgate event)	
Control system and power supply integrated in the unit.	
100 - 240 VAC, 50/60 Hz	
17 VA.	
Door leaves move freely.	
30 person/min	
10 Million Cycles	
+5°C to +40°C	
Dowelled on finished floor level, FFL.	
Not suitable for outdoor installation.	
IP43	
100%	
CE, CII Green Product	

HSB E11 X1	
1000	
1290	
650 (Normal Lane), 900 (Wider Lane)	
1070 (Normal Lane), 1320 (Wider Lane)	
160 kgs.	
AISI 304, 130mm width of the base column with 10mm toughened safety glass panel and AISI 304 stainless steel handrail with black lid at the corner.	
Two door leaves made of transparent polycarbonate, upper edge 900mm	
Swinging area monitored by separation sensors.	
Top Sensor (IR) - 10 Pair (20Nos.)	
900	
Stainless steel satin finish.	
Low energy drive with energy content less than 1.69 joules.	
Type 2 – power assisted motion; two servo-positioning drives/electrically controlled in both directions.	
Integrated in the swing tube.	
Optical.	
Normally closed.	
Normally opened. (Barriers close on tailgate event)	
Control system and power supply integrated in the unit.	
100 - 240 VAC, 50/60 Hz	
17 VA.	
Door leaves move freely.	
30 person/min	
10 Million Cycles	
+5°C to +40°C	
Dowelled on finished floor level, FFL.	
Not suitable for outdoor installation.	
IP43	
100%	
CE, CII Green Product	

All dimensions in mm



Swing doors



The swing doors are designed similarly as the half-height access systems from dormakaba. They ideally supplement the access systems, making them suitable for material transport or barrier-free access.

All automatic swing doors can be connected to access control systems.

Simply impressive:

- Adaptable design
- Transparent and ultra-slim elements made of stainless steel and glass
- Ideal supplement for tripod turnstiles, half-height turnstiles, sensor interlocks, goods transport and barrier-free access
- Convenient passage thanks to a servo-drive
- Smooth, silent running
- System opens even under load
- System locks in every position
- Separation of drive and locking forces
- Minimal energy consumption
- Suitable for use in escape and rescue routes
- Easy installation to finished floors



Charon HSD-E01

Half-height swing door with rectangular blocking element



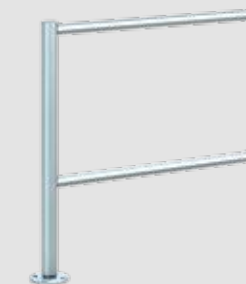
Charon HSD-E03

Half-height swing door with glass element, TSG, 10 mm top edge, 900 mm door leaf



Charon HSD-E06

Half-height swing door with glass element, TSG, 10 mm top edge, max. 1,800 mm door leaf



Charon HSD-L01

Manual half-height swing door with rectangular blocking element



Charon HSD-L06

Half-height swing door with transparent polycarbonate; wall mounting

Articulation of Boom Barrier



An articulated boom barrier is the most efficient and effective solution for controlling the movement of public and private vehicles and access to rest areas, even with heavy vehicular movement. The barrier is designed and manufactured with a casting process, so the parts are pre-precisioned accurately and hence the stability of the barrier gate is assured. Boom gates are typically found at level crossings, drawbridges, parking facilities, check-

points, and entrances to restricted areas. The boom barrier is aesthetically designed with a sleek and modern look. The articulated boom is designed for heavy usage in the parking industry and ensures a hassle-free operation for many years. Smooth boom movement with automatic slowdown. It has a 90° articulated boom mechanism. Maximum boom length can go up to 5m.

Boom Barrier



Standard units	DKB2500	DKB3000	DKB3500	DKB4000	DKB4500	DKB5000	DKB6000
Boom Length (in mm)	2500	3000	3500	4000	4500	5000	6000
Mechanism	Automatic						
Drive	24V BLDC Motor						
Opening Closing Time	1.5 - 4 sec						
Power Supply	230 V AC						
Power Consumption	18 W to 30 W						
Frequency	50-60 Hz						
Duty Cycle	100%						
Control Unit	Microprocessor Based						
Housing Dimension (in mm)	340 x 290 x 1030						
Housing	Galvanized steel with powder coating Housing Red and Top White						
Degree of Protection	IP 54						
Operative Option	Push Button, Remote Control, Loop detector (Single and Multi-channel), Photoelectric sensor, illumination strip red/ green and Radio Frequency Identification (RFID)						
In case of Power Failure	Open / Close option with Mechanical Option						
Certification	CE Certificate						
MCBF	10 million cycles						
Temperature	-30 to +55 °C						
Weight in Kg	60	61	61.5	62	62.5	63	65
Digital Inputs	6 Main with 22						
Digital Outputs	4						
Relay Outputs	3						

Pedestrian guiding bars

PGB

Simply impressive:

- Available with or without glass filling
- Easy installation to finished floors
- Suitable for outside setup
- Made of AISI 304 stainless steel, satin finish
- Optionally available with knee rail or knee rail with TSG glass filling



Reader posts

CRP

Simply impressive:

- Prepared for on-site installation of a Legic LA-PP antenna and a dormakaba AM control unit
- Can be adapted to different reader systems
- Presence detection for unreadable cards
- Easy installation to finished floors
- Weather protection hood for outside setup (CRP-M02, CRP-M03)
- Made of AISI 304 stainless steel

Face reader stand

Face reader stand made of AISI 304 rectangular Stainless Steel with tiltable head (45 Degree).

Simply impressive:

- Sleek, modern stand that fits any corporate space



PGB-E01
Pedestrian guiding bars



PGB-S01
Pedestrian guiding bars as variable full-glass barrier system with two end posts



CRP-R01
Double side Card Reader
Post-side access



CRP-E03
Post with removable inspection opening for installation of on-site components, max. installation dimensions 170 mm x 140 mm x 150 mm (H x W x D)



CRP-C01
Reader post with angled head (30°). Installed components are to be checked in each individual case



CRP-M01
Reader post for the control and return of ID cards with protective sleeve and clip holder. Integrated card return tray, signal system and lockable collecting container



CRP-M02
Reader post for the control and return of ID cards with protective sleeve and clip holder. Integrated card return tray, signal system and lockable collecting container



CRP-M03
Reader post for the control and return of ID cards with protective sleeve and clip holder. Integrated card return tray, signal system and lockable collecting container. At car and lorry height

System components and accessories for entrance systems

Push buttons and switches

Mechanical activators

Simply impressive:

- Manual activation for opening a door
- Large-sized push buttons also enable activation with an elbow
- Stainless steel push buttons are suitable in cases of special hygiene requirements



Program switch

Program switch

Simply impressive:

- Controlling up to five different functions of the automatic door: off, automatic, exit only (shop closing), partial open (winter opening), permanently open
- Actuation can occur mechanically with a thumbturn or key or electronically with a push button



LED touch key

Activator, electronic with optical feedback

Simply impressive:

- Effortless operation by touching the surface
- Visual feedback
- Glass version for use in hygienic areas
- Water-proof and impact-resistant



Radar motion detectors

Activators for contactless opening

Simply impressive:

- Activation occurs without contact and without being known
- Creation of barrier-free access points



Safety curtain

Contactless safeguarding of the door-leaf movement of automatic sliding and special doors

Simply impressive:

- Monitors opening. Should a person remain in the detection area, opening is stopped
- Invisible infrared light curtain
- Reflection evaluation
- Automatic learning of ambient conditions



Combination sensor (security and radar activation)

Combination unit for activation by a radar motion sensor and securing of the door-leaf movement. Especially suitable for automatic sliding and special doors

Simply impressive:

- Security against unauthorised use via a number code or additional push button (electronic variants)
- Additional error indication of the program switches for sliding doors in escape and rescue routes

Laser scanner and infrared sensor strips

Safety sensors

Simply impressive:

- Securing of the access area
- Securing of the main closing edge
- Protection of the secondary closing edge (consider remaining risk)
- For automatic single-action doors as per DIN 18650/EN 16005



Connector One G2

Connectivity expansion module



An expansion module for door operators, automatic and security doors—enabling seamless integration into smart building systems via local network infrastructure.

Using the OPC UA standard, it ensures secure, high-performance communication with central systems. Any OPC UA-enabled system can easily connect, simplifying integration into smart buildings.

Key Features

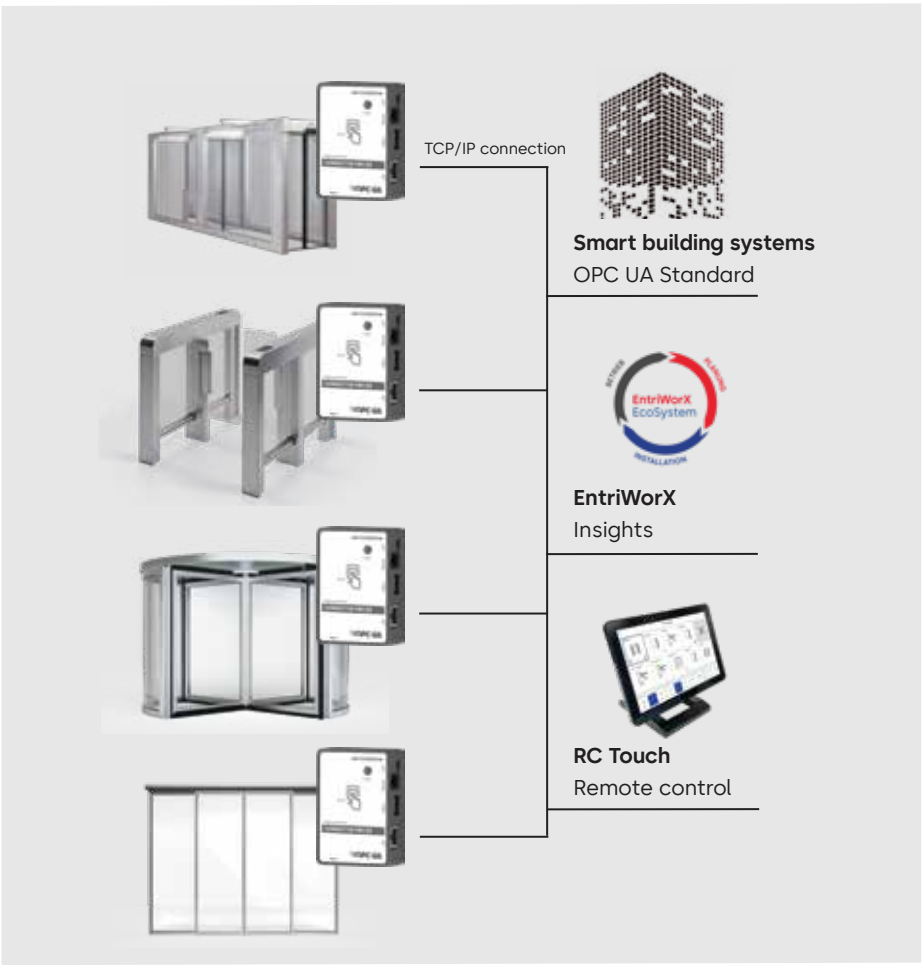
- Access to extensive door status and system data
- Flexible control functions for manual and automated use
- Automatic detection of the connected door type
- Control via OPC UA methods or writable variables
- RGB LED for quick status indication and easy diagnostics

EntriWorX Insights Ready

Enables cloud-based monitoring, remote control, and centralized updates—via network or optional mobile module.

Simply impressive:

- Interface for monitoring and controlling dormakaba automatic and security doors
- Reduced cabling requirements
- LAN communication instead of potential-free contacts
- Easy and fast integration into smart building systems
- Connection via WiFi also possible
- Select from a range of secure communication levels
- Compatible with the RC Touch control unit
- Compatible with EntiWorX Insights
- Configuration and maintenance via web browser, EntriWorX Setup App or EntriWorX Insights



Supported products:

- **Swing door operators**
ED100/ED250
- **Sliding door operators**
ES200, HD 200, ES PROLINE, ESA 200, ESA 500, EL-301, AL-401, AL-501, AL-1001
- **Revolving doors**
KTV, KTC 2, Geryon SRD
- **Folding doors**
FFT 2D
- **Tripod turnstiles**
Kerberos TPB
- **Turnstiles**
Charon HTS, Kentaur FTS
- **Swing doors**
Charon HSD, Kentaur FGE-Mxx
- **Sensor barriers**
Argus V60, Argus 40/60/80, Argus Air
- **Security interlocks**
Orthos PIL-M02

Security

- Hardened operating system with manipulation detection
- Integrated firewall protection
- Secure access via user login or certificates
- Encrypted communication
- WPA2 Personal & Enterprise authentication
- Critical settings accessible only on-site or via EntriWorX Setup
- Secure data storage with Legic SM-6300 module

Commissioning

- Easy setup via LAN and standard web browser
- All parameters accessible through integrated service menu
- Optional configuration via EntriWorX Planner or Setup app

Options

- WiFi module
- Mobile radio module for EntriWorX Insights

Technical data

Dimensions:	88 × 60 × 30 mm
Power supply:	24 V DC
Max. power consumption:	7.5 W
Operating temperature:	< -15 to +55°C
Relative humidity:	5 - ~95%
Weight:	75 g
Communication protocol:	OPC UA
Interfaces:	Operator, LAN, USB-A, USB-C, CAN

EntriWorX EcoSystem

One single EcoSystem for everyone.

Improving productivity, collaboration and planning security: EntriWorX, the EcoSystem for planning, installing and operating door systems. Ideal for architects, planners, installers, facility management and anyone involved in the building construction process and building lifecycle. A digital environment for collaborative working. All planning documents and access information is accessible online to everyone involved.

One EcoSystem for everyone

Productively plan, install and operate access solutions.



Planning
Efficient planning

EntriWorX Planning 360°, the web-based collaboration software, simplifies not only the design planning but also communication among all those involved in the planning and implementation of generating the door list. Time constraints, building regulations, safety requirements and ambitious customer needs are easily handled. The technical and operational design plans can be mapped and adapted as needed, for instance by security advisers, installers or by dormakaba itself using the **EntriWorX Planner**. The tool works with predefined templates, which are then provided in the data cloud.

Installation
Faster commissioning

Installation is aided by the user-friendly **EntriWorX Setup App**. The commissioning process is carried out step by step via smartphone or tablet. Installation errors can be systematically detected and corrected. The core of the system is the compact hardware **EntriWorX Unit**, which significantly reduces the number of components and wiring required for the installation. The intelligent controls save valuable installation time and increase productivity.

Operation
All data at a glance, any time

Facility management nowadays works with digital tools and processed performance information:

- Control of room occupancy and people traffic
- Monitoring and analysis of door operation data
- Doors report malfunctions independently
- Maintenance and repairs according to actual requirements of the door
- Integration with API interfaces

EntriWorX Insights provides more transparency and efficiency and makes it possible to operate door systems pro-actively based on historical data.

EntriWorX Planning

Digitized and collaborative door planning

For design planning: **EntriWorX Planning 360°**

- Open BIM ready, Autodesk-Revit and IFC files, 2D CAD formats.
- Complex situations and interdependencies can be visualized in 3D.
- Effective issue management via standard interfaces such as BCF.
- Easy import and export of door lists.

For installation planning: **EntriWorX Planner**

- Planning with functional door models from predefined door templates.
- Implementation compliant with standards and building regulations.
- Visualization of access and security zones including component list and connection diagrams.
- Development of technical and operational design planning.

EntriWorX Installation

Digitized door installation and commissioning

The central core: **EntriWorX Unit**

- One single device ensures that all function data are exchanged.
- Reduced complexity thanks to easy wiring of the dormakaba components.
- Simple collaboration of different components (even from third-party providers).
- Time-saving installation due to reduced components and less wiring.

The installation app: **EntriWorX Setup App**

- Commissioning is done step-by-step with a smartphone or tablet.
- Malfunctions can be localized digitally.
- Complete documentation like specifications, wiring diagrams, floor plans and connection diagrams, technical drawings for production, component lists and installation videos can be accessed via the **EntriWorX Setup App**.

EntriWorX Operation

Efficient building management thanks to access to digital doors

Occupancy Insights: **EntriWorX Insights**

Room occupancy in real time:

- Precise sensor technology.
- The data can be analyzed from anywhere via the cloud.
- Suitable for all doors and open access points.
- Intuitive displays show the current room occupancy.
- Time-saving installation due to reduced components and less wiring.

Remote Support: **EntriWorX Supported Service**

- 24/7 dormakaba service support.
- Monitoring and proactive maintenance that's always on task.
- We keep watch and manage so you can focus where it counts.

Door Insights: **EntriWorX Insights**

Detect faults immediately:

- Interruptions can be prevented proactively.
- Cloud-based data management.
- Integration of door data into existing monitoring, via the API interface.
- Thanks to IoT and "Always On", the operation, maintenance and repairs are adapted to current needs and do not adhere to any predefined maintenance schedule.

All data in your system: **EntriWorX Integrate**

- Integration of door data into smart building operations systems
- Holistic insights across eco-systems to maximize the value of door insights

Our services.

For your peace of mind.

We take care of safe access to your building: from planning to installation to ongoing operations – and beyond.

Increase the product longevity
With over 150 years of experience as a manufacturer, we contribute our unique expertise to ensure the smooth operation of your access points: for automatic doors, access control, door hardware and everything related to the door.

Operate building solutions securely
Secure access and a positive user experience throughout the site are a top priority for owners, users and investors – whether it's hotels, hospitals, shops, airports or offices.



Your service benefits at a glance:



Quick help – we provide quick, hassle-free assistance in case of malfunctions.



High level of security – through regular maintenance, we actively prevent potential malfunctions, downtimes and, therefore, danger.



Maximum comfort – smooth people flow for a positive user experience.



More cost-effectiveness – regular maintenance increases the product longevity of your systems and thus saves time and money.



Legal certainty – We provide competent support in fulfilling your obligations as a building operator.



Increased building value – utilise modernisation for even greater convenience, efficiency and sustainability.



Comprehensive service.
We support you in all building phases and throughout the entire product lifecycle. You can contact us in the event of malfunctions.

Maintenance contract security.
As a maintenance customer, you benefit from regular checks and thus from fewer malfunctions and greater reliability. You also receive exclusive conditions and individual modernisation proposals.

The greatest possible cybersecurity & compliance.
In addition to your hardware, we also keep your software for access and time up to date. This ensures that your systems work smoothly and remain protected from cyber attacks.

Intelligent maintenance of the future.
We're driving digitalisation in service and developing tools that enable comprehensive data analysis and thus even more on-demand maintenance. Would you like to learn more?



Contact us.
We're here for you.
<https://www.dormakaba.com/in-en/service>

Sustainability How do we see our world?

With full responsibility



Sustainability is something that can be built in. Throughout our entire value-creation chain, we harmonise economic, ecological and social responsibility. The result: The future is already contained within all our solutions today.

An **environmental product declaration (EPD)** is a prevalent industry standard developed as per international standards ISO 14025, 14040, 14044 and European standard EN 15804. EPDs create transparency throughout the entire life cycle of a product. With an EPD, environmental impacts on the level of the product or product group can be documented. As part of our commitment to contributing to environmentally friendly buildings, we became a member of the German Institute of Building and the Environment (IBU), our partner in creating EPDs, in 2010.

More information on our commitment to sustainability and our EPDs from the product areas

- Door hardware
- Entrance systems
- Electronic access & data
- Mechanical key systems

can be found here:

www.dormakabagroup.com/en/sustainability



Sustainability as a factor for success.

If you'd like to be a trusted industry leader, you have to utilise transparent reporting and recognised product declarations. With us, you know you get longevity in every regard. To continually improve ourselves, we seek open and transparent dialog with every stakeholder group – that means you.

Certification and declaration.

We know how important the environment is. Building certification systems are an important factor in the global construction industry. We support the requirements of the building certification systems by providing an extensive portfolio.

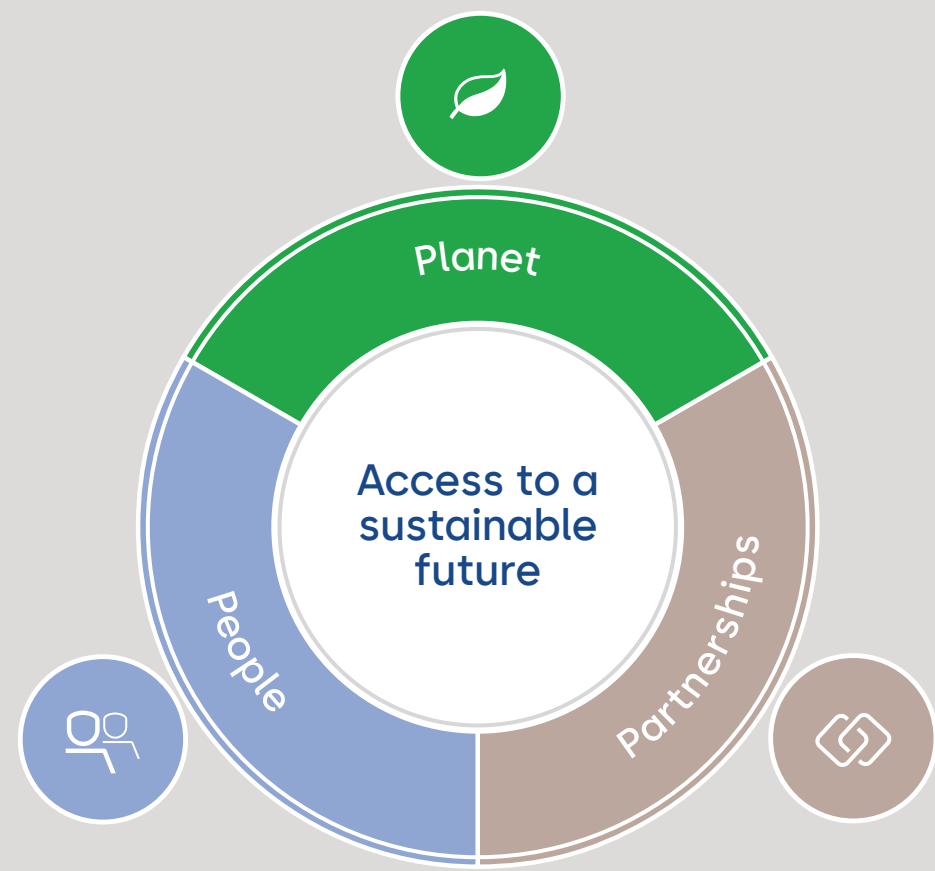
Plan with an eye to the future.

Today, sustainable construction requires flexible product solutions. With our module access solutions, you're not only able to save resources, but also improve the wellbeing of the people who use the buildings.

The pleasure of saving energy.

Thanks to our well-thought-out product systems, barrier-freedom can be combined with thermal separation. For instance, automatic sliding doors have excellent insulation values thanks to improved thermal separation of the profiles. Reducing energy consumption is sustainability in practice.

Strategic framework for sustainability



Our contribution to the UN goals for sustainable development

	Purpose	Essential topics	Key objective	Contribution to SDGs										
People We enable our employees to reach their full potential	We create a fair, integrative and safe corporate culture which enables our employees to be successful. We offer them a workplace where they can continually develop, contribute their ideas openly and be proud of their accomplishments.	– Fair employment – Training/education – Diversity and inclusion – Work safety and health protection	One in three managers is a woman <table><tr><td>Target year</td><td>2027</td></tr><tr><td>Reference year FY 20/21</td><td>19%</td></tr></table>	Target year	2027	Reference year FY 20/21	19%							
Target year	2027													
Reference year FY 20/21	19%													
Planet We're opening the doors up wide for a low-CO₂ recycling economy	We develop innovative and resource-efficient solutions for the recycling economy and do our part for a climate-resilient future. We offer long-lasting, energy-efficient products which help our customers to achieve their own sustainability goals.	– Energy and emissions – Recycling economy and materials – Compliance with environmental regulations	Reduction in operating emissions by 42% in accordance with a 1.5° future <table><tr><td>Target year</td><td>2030</td></tr><tr><td>Reference year FY 20/21</td><td>74,770 mt CO₂e*</td></tr></table> Reducing the emissions of the value-creation chain for purchased goods and services, as well as with the use of purchased products by 25% <table><tr><td>Target year</td><td>2030</td></tr><tr><td>Reference year FY 19/20</td><td>1,197,848 mt CO₂e*</td></tr></table> All new product developments and optimisations are covered by our recycling approach <table><tr><td>Target year</td><td>2023</td></tr></table> *Reference year FY 2019/2020 in accordance with validation of the Science-Based Targets Initiative	Target year	2030	Reference year FY 20/21	74,770 mt CO ₂ e*	Target year	2030	Reference year FY 19/20	1,197,848 mt CO ₂ e*	Target year	2023	
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Partnerships We work together to promote sustainable development beyond our own front doors	We lead with a good example and are committed to advancing more environmentally friendly practices and supporting the protection of human rights together with our partners. With our secure access solutions, we're also contributing to the health and safety of people. We work together with partners to raise awareness of the safe handling of	– Human rights – Customer health and safety – Development of our own sustainable supply chain	External evaluation of all high-risk suppliers with regard to their sustainability management or terminating cooperation should participation be lacking <table><tr><td>Target year</td><td>2027</td></tr><tr><td>Reference year FY 20/21</td><td>10%</td></tr></table>	Target year	2027	Reference year FY 20/21	10%							
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Notes.

Our Sustainability Commitment

We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations. Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impact through its entire life cycle, dormakaba provides Environmental Product Declarations (EPD), based on holistic life cycle assessments.

www.dormakaba.com/sustainability



Our offering

Access Automation Solutions

Entrance Automation
Entrance Security



Access Control Solutions

Electronic Access & Data
Escape and Rescue Systems
Lodging Systems



Access Hardware Solutions

Door Closers
Architectural Hardware
Mechanical Key Systems



Services

Technical Support
Installation and commissioning
Maintenance and Repair



Key & Wall Solutions

Key Systems
Movable / Sliding Walls



Safe Locks

Electronic Safe Locks
Mechanical Safe Locks
Boltworks and Accessories



Glass systems

Manual door systems
Glass fittings
Horizontal Sliding Walls



03/26, Access Automation Solutions
Subject to change without notice.

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