



# Airport

# Increased security, convenience and efficiency

## **Everything revolves around security**

The demands placed on sensitive places like airports are continually increasing. At the same time, passengers, visitors and airport staff now expect maximum comfort and user-friendliness, while airport operators such as airlines rely on maximum efficiency for key passenger processes. A lot of expectations. And appropriate responses. With unparalleled integrated solutions from dormakaba, one of the leading experts in access control.

## **Automated solutions**

Our fully coordinated product range provides automated solutions for every stage of the passenger process. For a secure, convenient and efficient passenger flow. Thanks to their fully-developed, modular concepts, dormakaba products can be integrated into all kinds of control systems while maintaining the same functionality. An important step on the way to standardising airport infrastructure.

And  
dormakaba  
goes further:

We increase security even further with our ability to integrate various biometric technologies. Everything we do is fit for the future, with positive impacts on all areas of the airport. Welcome on board.



# Abflug/Departure

Time	Exp.	Destination	Flight	Gate	Remarks
1640	1735	Paris CDG	JJ 8991 A84		Gate
1655	1810	Geneve	LH 5852 A63		Gate
1715	1745	Manchester	BD 6800 D33		Gate
1720		Hatfield	UA 2032 A24		Gate
1725		Boston	LH 5817 841		Gate
1725	1805	Muenchen	SK 3526 831		Gate
1725		Copenhagen	SK 6824 D57		Gate
1725		Birmingham	KQ 1962 808		Gate
1730		Amsterdam	LX 2238 839		Gate
1730	1740	Budapest	LX 734 A64		Gate
1730		Amsterdam	LH 5807 A73		Gate
1730		Hannover	LH 5849 A21		Gate
1735	1815	Hamburg	LH 1664 A56		Gate
1735		Veneta	LX 1732 A85		Gate
1735		Roma FCO	LH 5864 A75		Gate
1735	1810	Geneve	4U 769 A81		Gate
1740		Koeln	LX 1418 D38		Gate
1740		Belgrade	LH 5841 843		Gate
1740	1820	Berlin TXL	LX 3556 A62		Gate
1740		Wien	LH 5797 A72		Gate
1745		Dusseldorf	LH 5809 A50		Gate
1745		Milano MXP	LX 1680 A52		Gate
1745		Firenza	SN 5114 A54		Gate
1745		Brussels	SN 9617 807		Gate
1750		Paris CDG	NK 9617 807		Gate
1800	1815	Barcelona	LX 4204 A82		Gate
1800		Barcelona	IB 5774 A82		Gate
1805		Beal	BA 754 E42		Gate
1815	1820	London LHR	BD 6788 D36		Gate

Time	Exp.	Destination	Flight	Gate	Remarks
1815	1820	Paris CDG	JJ 8993 A65		Gate
1830	1910	Belgrade	JU 331		Gate
1835		Dusseldorf	LX 3640 D38		Gate
1835		London LCI	BD 6854 D38		Gate
1840		Hamburg	AB 9457 B35		Gate
1900		Frankfurt	SA 7382 A72		Gate
1900		Dusseldorf	EY 1163		Gate
1900		Frankfurt	LH 5779		Gate
1900		Frankfurt	OJ 465 D52		Gate
1900		Zagreb	AY 864		Gate
1905		Helsinki	AY 5073 E44		Gate
1905		London LHR	AB 8078 E42		Gate
1905		London LCI	CI 8768		Gate
1905		Madrid	IB 3473		Gate
1905		Madrid	IB 5724		Gate
1905		Lisbon	OJ 5724		Gate
1910		Wien	HG 8301		Gate
1910		Muenchen	LH 5789		Gate
1910		Muenchen	EY 1435		Gate
1915		Berlin TXL	IB 5532		Gate
1920		Amsterdam	KL 1964		Gate
1925		Paris CDG	NK 9619		Gate
1940		Dusseldorf	LX 3638		Gate
1940		Dusseldorf	SK 1606		Gate
1945		Stockholm	OS 566		Gate
1950		Wien	LH 2373		Gate
1955		Muenchen	LH 420		Gate
1955		Warsaw	LH 5831		Gate
1955		Stuttgart	LH 5831		Gate
1955		Goettingen	SK 8056		Gate
2005		London LTN	EZY 2046		Gate
2005		Budapest	MA 567		Gate

2010		Copenhagen	LX 3640		Gate
2015		Hamburg	LX 4894		Gate
2020		Bremen	LX 4844		Gate
2020		Dresden	LX 4246		Gate
2020		Ljubljana	BD 6780		Gate
2025		London LHR	BD 6862		Gate
2025		London LCI	BD 6862		Gate
2025		Paris CDG	JJ 8489		Gate
2025		Brussels	SN 5108		Gate
2025		Muenchen	LH 5819		Gate
2030		Milano MXP	LH 5885		Gate
2030		Lyon	OS 538		Gate
2035		Wien	OS 880		Gate
2035		Athens	LX 184		Gate
2035		Geneve	LH 5885		Gate
2035		Amsterdam	LX 734		Gate
2035		Hannover	LH 5885		Gate
2040		Dusseldorf	LH 17		Gate
2040		Rome FCO	LX 17		Gate
2040		Lugano	LX 2		Gate
2040		Berlin TXL	LH 9		Gate
2040		Dublin	EI 3		Gate
2045		Moscow	LX 1		Gate
2045		Barcelona	LX 1		Gate
2045		Frankfurt	LX 1		Gate
2050		Koeln	4U		Gate
2055		Koeln	4U		Gate
2100		Tel Aviv	LX 1		Gate

JAEGER-LECOULTRE

Cartier



Rauchen verboten  
No smoking

- Business First Lounge
- Business Lounge & Executive Lounge
- Delegation Du旅客



# Everything is integrated.

Increased security, greater convenience, attractive, user-friendly design, faster processes.



## Boarding pass control

eGates in the terminal provide seamless and efficient support to airport staff who control access to the security area.



## Border crossing

Secure, efficient passport control ensures clarity and helps border officials to manage border control quickly.



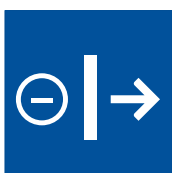
## Access to the business lounge

Controlled access to the business lounge takes the burden off lounge staff, leaving them with more time to devote to individual guests.



## Self-boarding

eGates for self-boarding help airport and ground staff keep the boarding process fluid and consistent.



## Transition from airside to landside

Corridors or passages that can only be used in one direction reliably prevent unauthorised airside access while enabling inbound passengers to leave the security area unhindered.

## We focus on five touchpoints

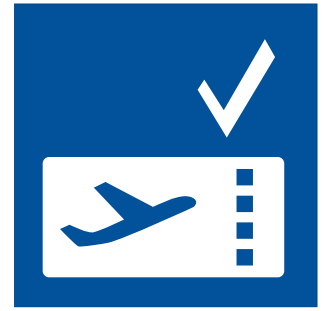
Boarding pass control, border crossing, access control to the business lounge, self-boarding and the sensitive transition from airside to landside. dormakaba divides each stage into smaller automated and efficient steps that work together seamlessly and elegantly, supported by the likes of sophisticated sensor technologies, precise Near Field Communication (NFC) and reliable document readers. Or the low-energy drive of automatic swing doors which is especially safe for passengers. Future-proof biometric technologies can be integrated into every dormakaba solution for even greater security and convenience.



**dormakaba uniquely  
streamlines all passenger  
processes into one.**

The results are impressive. The benefits are extensive for airport operators, flight operators and passengers alike. Successfully navigate the new challenges in global aviation with dormakaba. With a strong passion for flying. And unique integration.

# Boarding pass control



## Not just anyone.

Passengers' security is always the top priority – both on the way to the security area and at border crossing. Only those who are authorised to go through may do so. To help with this process, dormakaba offers automated solutions that impress.

dormakaba sensor barriers are a key feature of boarding pass control for convenient, reliable and seamless access control.

The space-saving barrier allows just one passenger through at a time and the swing doors open for those with access authorisation. The high-precision sensor protects the user and ensures individual use. It can also detect luggage and suitcases on wheels. As an added bonus, the solution can be integrated into almost any data system without major intervention.

### Benefits

- Fast flow of people through access control without waiting
- Access exclusively for authorised persons
- Airport staff gain more time for other tasks
- Separate control (First-Class/Business-Class, passengers/frequent travellers and airline staff )
- Detailed feedback to a higher-level system in the event of tailgating or attempts to break through or pass from the opposite direction

# Border crossing



dormakaba automatic immigration gates relieve border police and help detect invalid or forged documents.

Border officials gain more time for spot checks and isolated incidents. Biometrics can be integrated for additional security and convenience: Swift and mainly contactless checks are run to determine whether the person in question is the rightful passport holder. Only those with authorisation may pass – one glance into a camera is all it takes. The added benefit for passengers of swift, contactless control is that they keep their hands free. And staff know who is allowed to enter.

## Benefits

- Supports border control
- Reduces waiting times
- Biometric verification prevents misuse of travel documents
- Prevents bottlenecks in the flow of passengers by directly forwarding any manual checks required
- Compatible with all biometric methods



# Access to the business lounge



## Individual values.

Maximum security, impressive convenience: access to the exclusive business lounge is clearly regulated. dormakaba eGates provide reliable, fast and convenient controls. Its self-boarding gates only grant access to passengers who have booked, getting them onto the right flight.

Automated contactless controls for individual access authorisation are a central feature, supported by the likes of Near Field Communication (NFC) to guarantee smooth operations.

First-Class and Business-Class passengers and frequent fliers expect first class service – and premium assistance in the business lounge: undisturbed and exclusive. dormakaba eGates provide more convenient and reliable controls for access authorisation. Biometric technology can be integrated easily, linking passengers to their boarding passes.

### Benefits

- Fast flow of people through access control without waiting
- Access exclusively for authorised persons
- Airport staff gain more time for other tasks
- Contactless control means passengers keep their hands free
- Detailed feedback to a higher-level system in the event of tailgating or attempts to break through or pass from the opposite direction
- Elegant, appealing design



# Self-boarding



Welcome on board: with its seamless checks, dormakaba automated self-boarding system ensures additional security directly at the departure gate, offering passengers a high level of comfort.

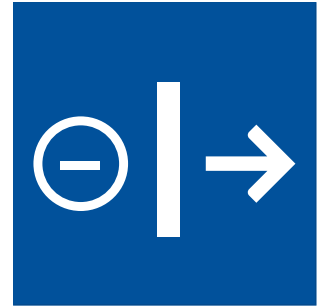
Swift boarding is important, without jeopardising security and passenger service. dormakaba self-boarding gates support ground staff by providing high speed and precision. Passengers benefit from increased convenience. This is because staff also have more time to deal with their problems – big or small. It is now an even greater certainty that only passengers booked onto each flight will be able to get on: optional biometric technologies can be integrated to link individual features with the ticket and/or passport.

## Benefits

- Fast flow of passengers thanks to shorter waiting times
- Passengers enter the correct aircraft
- Ground staff gain more time for other tasks
- First/Business Class passengers are checked separately
- Compatible with all biometric methods



# Transition from airside to landside



## A clear advantage.

The transition from airside to landside places the strictest demands on access security. With its transparent, one-way barriers, dormakaba ensures the system is clear. This makes it impossible to pass through without authorisation.

Providing a warm welcome while keeping secure zones apart: Separating public areas from security areas is one of the most problematic aspects of airport security and is governed by clear laws.

Unauthorised persons are not allowed through to airside under any circumstances. At the same time, inbound passengers expect to be welcomed warmly. dormakaba offers modular "one-way" barriers that are monitored by sensors and combined with quick-response door systems. After landing, passengers can make their way quickly and easily to the exit, while unauthorised persons are reliably prevented from entering the security zone.

### Benefits

- High reliability
- Highly sensitive sensor technology detects objects left behind
- Simple integration into existing systems
- Various security levels
- Can be flexibly integrated into challenging architectural designs
- Over 500 units installed worldwide



## Effective, precise, secure: Orthos PIL-M02 personal interlock

Orthos PIL-M02 personal interlocks reliably meet the highest security requirements. The modular system's sophisticated sensor system prevents movement in unauthorised directions and keeps dangerous objects out.

# Passages for staff

## Consistently secure.

From public areas to the security area and back. The entrances and exits for airport staff are often located in different areas around the building. With sensor barriers, revolving security doors and passenger barriers, dormakaba offers comprehensive, reliable solutions for the strictest security requirements.



Entrances and exits for airport staff: a sensitive dividing line between security and public areas that often goes unmonitored.

This makes smooth, automated security controls all the more essential – for example with dormakaba Orthos personal interlocks. Using scales, card readers and optional biometric technology, Orthos interlock offer security at the highest level.

### Benefits

- High security due to contact mats
- Additional security using scales for weight limits or actual weight
- Resistance classes RC2/WK2, WK3 and, for cubic interlocks, up to WK4
- Elegant glass units
- Smooth, silent running
- Low space requirements



# Three times better.

Customs exit, visitor terrace and protected areas: three airport areas that each have specific requirements in access control. And one impressive solution provider: dormakaba.

## Customs exit

One exit, three requirements: the smooth flow of passengers in one direction. No-one can go back. No unauthorised access from outside.

dormakaba is leading the way in security. Fully automated swing doors make things for passengers with luggage trolleys and suitcases highly convenient. And reliably close off the path in the opposite direction.

### Benefits

- High reliability
- Barrier-free access possible
- Very convenient thanks to automated doors
- High security by closing off the opposite direction
- Elegant, transparent design

## Visitor terrace

Visitor terraces are loved by individuals, families and groups the world over. Special measures are often needed here to manage the stream of visitors.

Reducing crowds and adding a payment feature: two important functions at the entrance – and more are possible. For example, dormakaba offers space-saving turnstile systems that reliably allow individual access.

### Benefits

- High reliability
- Optimal flow of people
- Transparent, appealing design
- Space-saving double unit



## Protected areas

A literally enormous task which requires intelligent use of physical protection measures and automated controls.

dormakaba proven range of solutions includes turnstiles combined with innovative card readers. Biometric technology can also be integrated for enhanced security.

### Benefits

- Flexibility thanks to modular design
- Maximum user safety prevents people getting trapped
- Robust, durable design



[www.dormakaba.com](http://www.dormakaba.com)

dormakaba Deutschland GmbH  
DORMA Platz 1  
58256 Ennepetal  
Germany  
T: +49 2333 793-0  
F: +49 2333 793-4950

Subject to modifications · 30366EN 01·2017