



The flattest  
electronic fitting.  
MATRIX AIR.  
Our new electronic  
access control system.

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# MATRIX AIR sets new benchmarks

Our electronic access control system combines outstanding design, few components and simple, hassle-free installation. This makes planning and realization easier. And opens up various perspectives to architects, installers and business partners.

- Multi-award-winning design for the flattest electronic fitting
- Reduced number of different components because of modular design
- Up to 200.000 closure cycles with one batteriset\*
- Quick and easy installation

\* depending on operation mode



**Clean design.**  
**No compromises.**  
MATRIX AIR. Translates  
all components into the  
XEA design language.





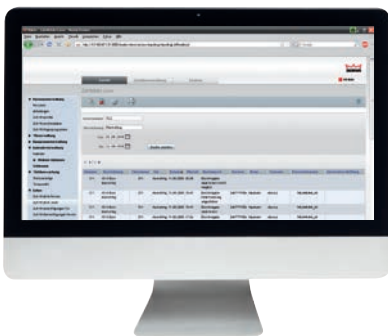
### **MATRIX AIR fitting**

Since at least the launch of the smartphone, it's been clear that intelligent technology and slender design are not mutually exclusive. Our designers have taken inspiration from such developments and created shapes that stylishly combine aesthetic and functional requirements.



### **MATRIX AIR reader**

Neat, compact look. The reader is also characterized by a curved shape with rounded edges. Here, too, the same radius is used as a consistent design element.



### **MATRIX Software**

Data platform for the combination of access control, time management, emergency exit control, video surveillance, elevator control and other areas of digital building management.



# Outstanding design – slim dimensions

## MATRIX AIR. The perfect symbiosis of technology and design.

The new electronic fitting is the first electronic fitting that is as flat as a normal door fitting. This outstanding slender design has been made possible thanks to groundbreaking engineering. The technology is integrated in the lever handle rather than in the fitting itself. Our MATRIX AIR products are characterized by high functionality. And our product design reflects the constant desire to achieve absolute perfection.

The extremely elegant design has received several awards, including the iF Gold Award. Since 1953, the iF Design Award has celebrated design excellence and is today one of the largest and most prestigious competitions in the field of design and architecture. Due to the dormakaba XEA design, MATRIX AIR products can be optically combined with many other dormakaba products - for a consistent design in the whole building.



product  
design award

2014 GOLD



German  
Design Award

SPECIAL  
MENTION 2015



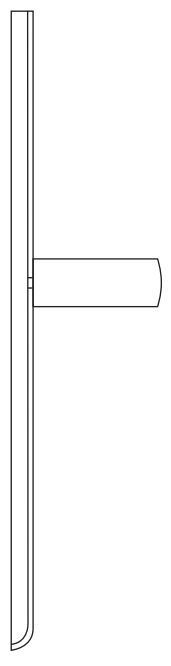
communication  
winner



GERMAN  
DESIGN  
AWARD  
SPECIAL  
2016



GOOD  
DESIGN

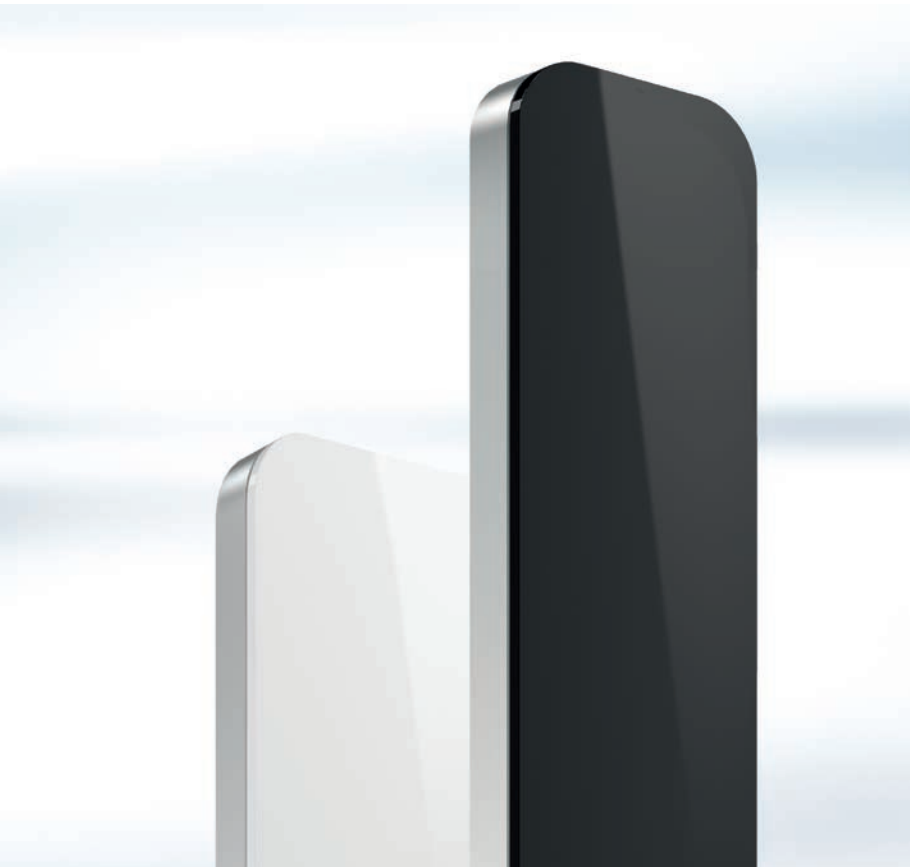


H

10.5–11.5 mm

# For a consistent design. Electronic and mechanical Lever handles.

MATRIX AIR. Black and white. For narrow- and wide-stile doors.



The MATRIX AIR and OGRO product families offer suitable products for a wide range of applications: Enclosure variants for narrow-stile and wide-stile (timber) doors in black and white, door fittings and roses, OGRO 8906 L-shape lever handle, OGRO 8115 Design L-shape lever handle and OGRO 8116V Design U-shape lever handle. Matching pull handles, window handles and knobs are also available.

## **Easy replacement for different styles and functions.**

With the MATRIX AIR fitting the bottom cap (with or without profile cylinder cutout) can be replaced easily. With the cutout, the door can also be key-operated.





### Same look. Throughout the building.

The aligned design of MATRIX AIR and OGRO mechanical lever handles (8115 and 8116V) ensure a consistent look throughout the building. The properties of the new mechanical door lever handle underline the high standards of surface quality, finish and longevity that are typical for OGRO door lever handles.

- Environmental Product Declaration (EPD)
- For use in busy situations
- Minimized joint shadow line
- High-quality surface

Color coded:  
The traffic light system quickly shows the cardholder's authorization status.

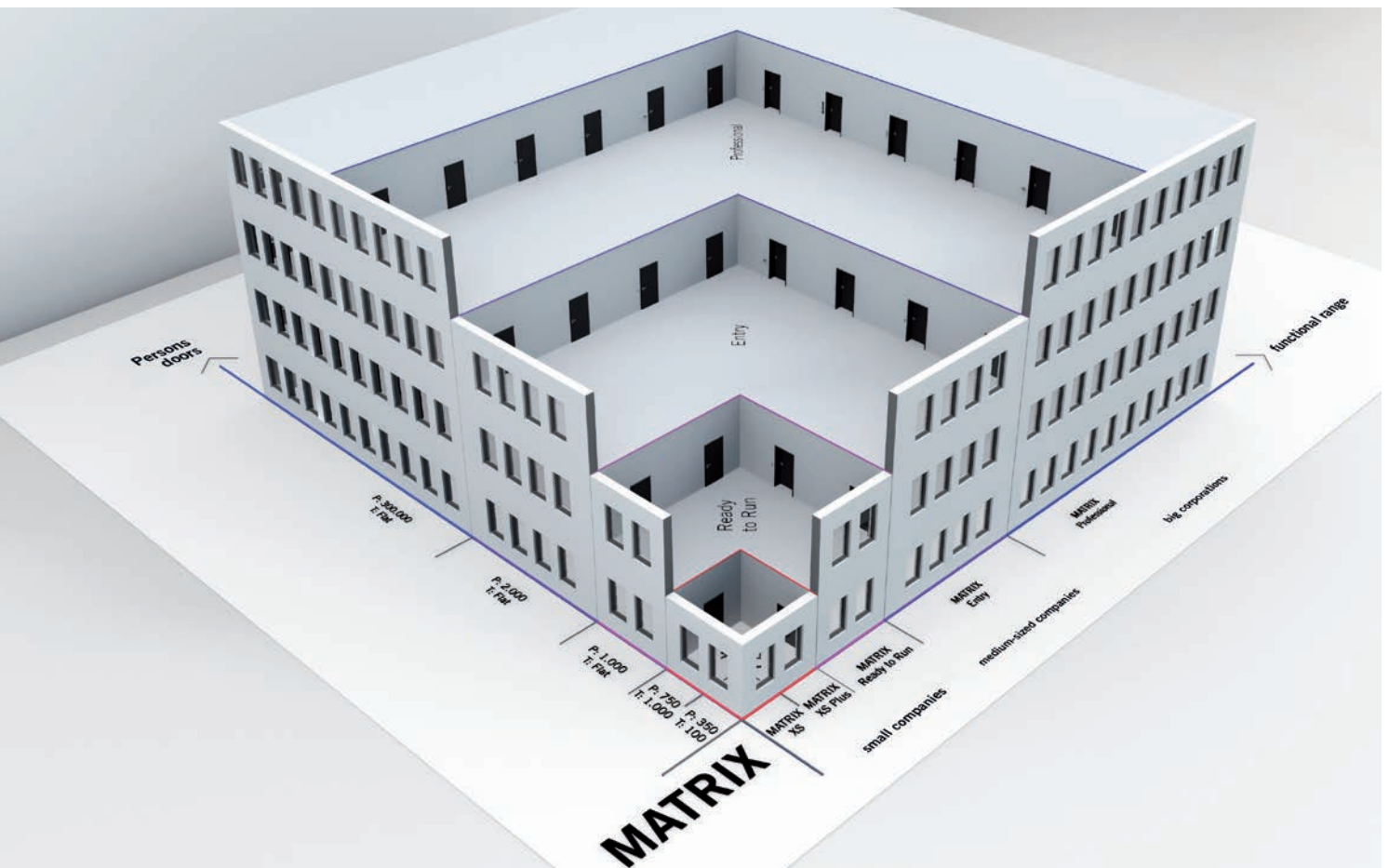


### The electronic fitting with LED light ring.

Form follows function. The recess between the fitting and lever handle follows this principle. It is not just a design element; it also acts as the carrier of an optical signal. After activation by an access card, the LED light ring indicates the authorization status. Green means access is granted – the door can then be opened with the handle. Red means access is denied. In this case, the door cannot be opened.

# Networking makes life easier

## MATRIX AIR. A component in the MATRIX software system.



### **MATRIX software system. Modular and bespoke.**

Flexibility and versatility are two of the greatest benefits of the modular MATRIX software design. From a simple locking system to a highly complex major client solution. From a licensed model for 25 people to an integrated system for 300,000 users. As the requirements grow, so does MATRIX. MATRIX integrates seamlessly into existing structures and can be networked with other systems (including already existing ones), e. g. video verification or elevator control.



MATRIX + XS Manager + B6 Controller +  
Trafficpoint + MATRIX AIR



MATRIX access card + TAG



MATRIX + XS Manager +  
RF wireless stick for offline system

### Online system

IP communication for changing  
access rights in real time

### Access on card

No wiring of individual components;  
access rights are saved directly on  
the access card

### Offline system

No wiring of individual components.  
Commissioning and configuration  
is performed via a RF wireless stick  
and the XS Manager or MATRIX  
Version 2.4 and later in the  
integrated XS Plus tool.



In connection with the browser-based MATRIX software Version 2.3.x and later, electronic security fittings can become part of a comprehensive software system via the ISM 868 MHz interface. Access control, time management, escape route protection, video surveillance, elevator control and other areas of digital building management can be converged on the MATRIX data board. MATRIX AIR and MATRIX software: a modular universal solution for large and small enterprises. Reading process Mifare classic, Mifare DESFire, LEGIC prime, LEGIC advant.

Together with the free MATRIX XS software and optional wireless USB stick easy, fast and reliable commissioning of individual doors (up to around 20) for small enterprises and offices via Mifare reading process.

# Modularity comes as standard.

## MATRIX AIR. Electronic hardware technology with intelligent and variable configuration.



01



02



03



06



04



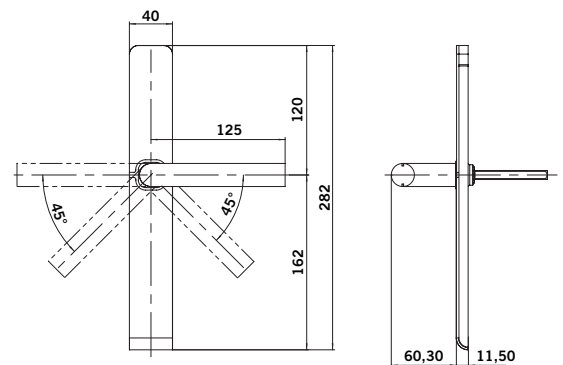
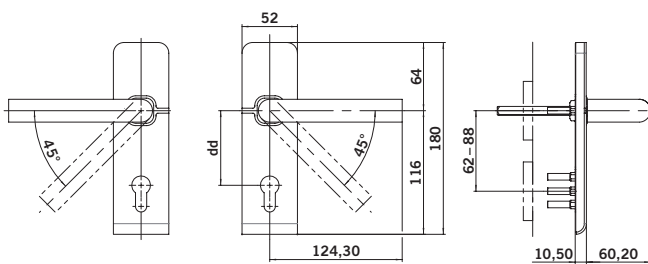
07



05

- 01 MATRIX AIR fitting
- 02 MATRIX AIR reader
- 03 OGRO 8115 door lever handle
- 04 OGRO 3030/3025 door knobs
- 05 OGRO 8906 door lever handle
- 06 MATRIX credential
- 07 MATRIX software

## MATRIX AIR fitting



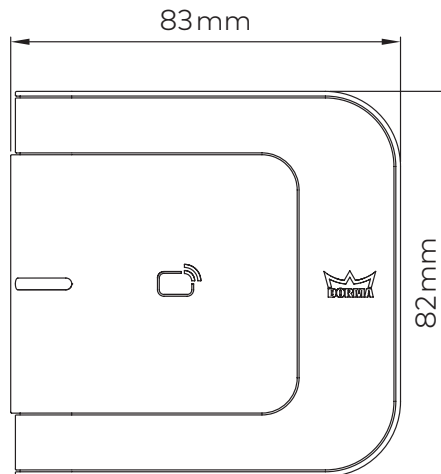
### Generally:

- excellent Design
- LED-Signal to signalize
- hassle-free Installation
- for door-thicknesses from 40 mm to 113 mm
- narrow and wide style doors
- upper cap in black or white
- 17 mm Euro-Profil
- supports the dormakaba XEA designline

### Variante 1:

- reader: Mifare classic/defire, LEGIC prime/advant
- operating modes: online, AoC, offline
- radio: 868 MHz
- MATRIX system connecting possible

## MATRIX AIR reader

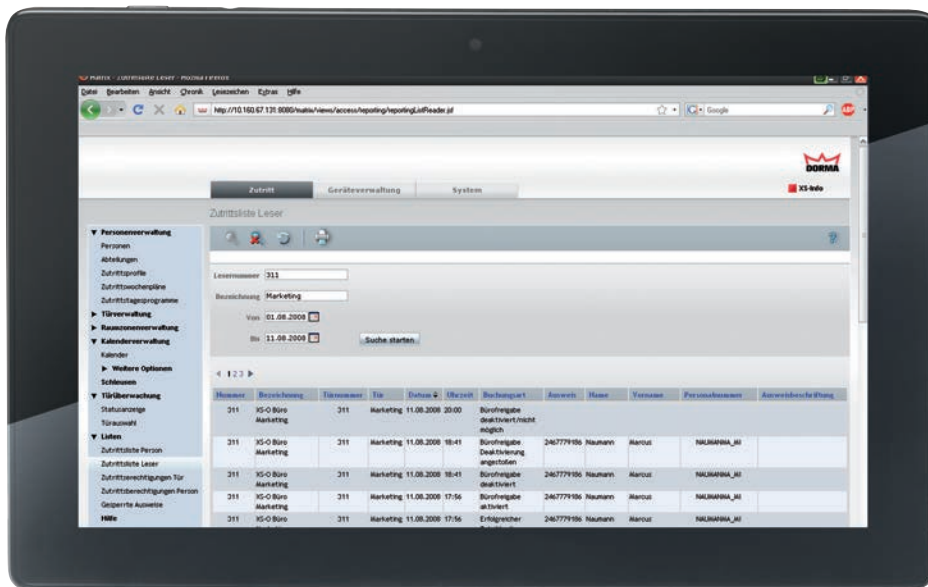


- The reader reads the identification number from the identity card and give this data to the evaluation unit.
- The access control center MATRIX than checks the right of access.
- If valid, the respective blocking element will be steered
- The access is given.

### Variante 1:

- excellent Design
- hassle-free Installation
- reader: Mifare classic/Desfire, Legic advant/prime
- middle cap in black or white
- supports the dormakaba XEA designline
- available in technology variants XS PRO (offline Reader, batteriebased) and S6R (online, wired).

## MATRIX software plattform



- A multilingual, modular structure software platform.
- It controls and manages various systems under one browser - user interface.
- Access control and time recording they are open standardized interfaces with many other existing systems
- Free version for time-independent access to 300 employees available. (additional USB radio stick is required)
- Connects different buildings with different control systems and individual access authorizations
- High compatibility with other systems (e.g. in conjunction with video certification, elevator control).
- Flexible and versatile: from the simple closing system up to high complex large customer solution.
- As access control and time recording software available

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