

Tendering support:

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dormakaba sensor barrier Argus 80

Designation: dormakaba Argus 80
Version: half-height sensor barrier
Manufacturer: dormakaba

Construction:

Simple and appealing – integrative design of aluminium profiles with Full Cast Layer; a wraparound cover in the handrail and in the front. All in dormakaba's typical XEA design language. This means a wide range of colour combinations is possible, to fit in with the respective architecture.

Guiding element of aluminium profile with wraparound cover in the handrail.
Design-oriented drive and locking components with 75 mm diameter, installed vertically on the guiding element.

Two door leaves of transparent, impact-resistant and shatterproof plastic.
Upper edge of door leaf, flush with the body, at 990 mm. Distance from upper edge of finished floor (UEFF) to bottom edge of the door leaf, 200 mm.

In the leg area, there is a horizontal sensor strip, which performs protection and safety functions alike.. In addition, a vertical sensor is integrated in the entrance area and in the exit area, which further enhances the system's security level and ensures reliable separation as well as detection of persons entering from the opposite direction.

Panelling of sensors with opaque, printed panes with infrared-permeable segments.

Prepared to hold a wide range of scanner units, with design-oriented integration in the Full Cast Layer, if technically possible.

Standard dimensions:

Passage width: 650 mm
Total width: 1060 mm
Interlock height: 995 mm
Interlock length: 1660 mm
Guiding element width: 130 mm
Aluminium profile with wraparound cover in the handrail and in the front on the side section ("Full Cast Layer" version).
Two panes as side cover.

Security function:

Depending on the actuated function, a motorised movement of the door leaf occurs both in the entrance direction and in the exit direction.

Both directions are electronically controlled and opening of both door leaves is implemented via the corresponding release signal.

Entry into the interlock is monitored by the vertical sensor, which minimises the error rate and alarm quota in relation to separation in particular. The passage area is monitored by a sensor strip in the leg area, which enables monitoring of the individual passage in both directions.

Passage against the approved direction is also detected and an alarm signal triggered.

The sensors offer an integrated sneak-by guard, a significant reduction in false alarms and enable passage with trolleys.

The type of locking technology means the door leaves can be locked in any position, depending on demand and detection of unauthorised use.

Safety protection function:

The same sensors are used for separation and for monitoring the swinging area of the door leaves.

If activated in the swinging area of the door leaf, the movement is stopped immediately or significantly decelerated. It is thus highly unlikely that a person passing through will be hit or become trapped.

Drive:

A special tubular motor incl. locking unit is integrated in the swing tube and, in standard systems, is specified with a MCBF (tested motion cycles) of 8 million

The system's software enables the limits of low energy movement in accordance with DIN 18650 / EN 16005 to be adhered to at all times. For this, the software adapts the speed according to the door leaf mass.

When using plastic door leaves, a value of <0.5 seconds for complete opening or closing can be achieved with significantly reduced running noises, due to the weight-saving compared with TSG.

Operating mode:

Basic position closed: The door leaves open in the direction of passage, once authorised, and then close again.

Installation:

Prepared for fitting on the upper edge of the finished floor (UEFF) with dowels.

In case of multiple installations, the housing unit acts as a guiding element without additional guiding bars.

Not suitable for outdoor installation.

Electric components:

Control system and power supply integrated in the unit.

Power supply: 100–240 VAC 50/60 Hz, 300 VA

Standby power consumption: 17 VA

Standard adjustment in case of power failure: Door leaves move freely.

Certifications:

- Type examination
- Solution approved for use as an emergency exit only in conjunction with optionally selected components of dormakaba Safe Route and STV ETS
- EPD (quantified, environment-related information from a product's life cycle)
- CB Scheme (acceptance of electrical test reports for national safety certifications)
- UL Certification (required for use of the sensor barriers in North America)
- UL-tested control unit (required for use of the sensor barriers in North America)
- Compliance with RoHS for all electronic components

Options:

Barrier-free passage width:

Here, the passage width is extended to 900 mm.

If this passage width is selected, Argus 80 offers the possibility of opening to 900 mm for disabled persons only, and reducing to the standard passage width of 650 mm for all other passages, by reducing the opening width of the door leaves. Thus, the high security of the standard passage is retained and barrier-free access for disabled persons, identified accordingly by their access badge, is enabled.

As an option, a passage width of up to 1000 mm is possible with the sensor system used, in compliance with the set security objectives.

Versions available:

- Single unit
- Double unit
- Triple unit
- Quadruple unit
- Multiple unit
- With attachment preparation for a swing door on the guiding element

Door leaf increase with drive unit 850 mm standard height:

- Door leaf upper edge 1200 mm in plastic 10 mm
- Door leaf upper edge 1400 in toughened safety glass 10 mm
- Door leaf upper edge 1600 in toughened safety glass 10 mm
- Door leaf upper edge 1800 in toughened safety glass 10 mm

Drive unit increases to same upper edge as door leaf:

- Door leaf upper edge 1200 mm in plastic 10 mm
- Door leaf upper edge 1400 mm in plastic 10 mm
- Door leaf upper edge 1600 mm in plastic 10 mm
- Door leaf upper edge 1800 mm in plastic 10 mm

Scanner installation:

- Flush-mounted socket for customer-installed scanner
- Universal, concealed scanner installation behind 6 mm TSG with RFID symbol L/W/H 150 x 90 x 30 mm.
- Preparation for flush-mounted socket/surface-mounted scanner installation in vertical area, e.g. for barrier-free accesses
 - at a height of 850 mm
- Implementation of customer-installed, biometric detection units, subject to technical feasibility.

Optimised user guidance:

- Illuminated RFID icon in white, red and green, only in connection with concealed scanner installation.
- White-red-green continuous light integrated in handrail.

Display:

10" display incl. IPC for customer-installed control, only in conjunction with the advanced drive unit.

Ambient lighting:

In the passage area - LED white K4000

On the outside - LED white K4000

Ambient lighting in red and green in addition to status indicator.

Alternative operating mode:

Basic position open: The door leaves close as soon as a person without passage authorisation enters

Remote control:

OPL05 – 6 controllable basic functions (inside/outside single release, inside/outside continuous release, two-sided continuous release, locked).

As an option, this function can be implemented via a mobile device (mobile phone, tablet).

Activation of emergency exits and escape routes:

Carried out by the dormakaba STV-ETS module. When actuated, the door leaves move to the open position and a visual and acoustic alarm sounds, which can be reset on the device, in accordance with the applicable guidelines. It is also possible for the unlocked door leaf to remain in the closed position, if desired.

In combination with the Argus 80, the solution is tested in accordance with EltVTR and includes a general building approval for use in exit and escape routes.

Floor installation:

-At SFL with substructure Structure height from SFL - UEFF: 80-200 mm

-At SFL with substructure Structure height from SFL - UEFF: 201-300 mm

-Adhesive construction via an additional panel on the UEFF, on condition that the customer-installed flooring permits

assembly of this kind.

-Prior delivery of the selected substructure.

Surfaces:

“Digital Silver” standard configuration:

Profile: Silver N 600

Drive unit: Silver N 600

Inlay: Silver N 600 / optional White P 100

Scanner unit: Glass White G 810

Door leaf according to upper edge of door leaf and drive unit length: Plastic Clear G 801 or Glass Clear G 800

Panel (side section): Glass Clear G 800

“Corporate Satin” standard configuration:

Profile: Niro N 700

Drive unit: Niro N 700

Inlay: Niro N 700 / optional White P 100

Scanner unit: Glass Black G 880

Door leaf according to upper edge of door leaf and drive unit length: Plastic Clear G 801 or Glass Clear G 800

Panel (side section): Glass White G 810

“True White” collection configuration:

Profile: White P 100

Drive unit: White P 100

Inlay: White P 100

Scanner unit: Glass White G 810

Door leaf according to upper edge of door leaf and drive unit length: Plastic Clear G 801 or Glass Clear G 800

Panel (side section): Glass Light Grey G 830

“Deep Black” collection configuration:

Profile: Black P 190

Drive unit: Black P 190

Inlay: Silver N 600

Scanner unit: Glass Black G 880

Door leaf according to upper edge of door leaf and drive unit length: Plastic Clear G 801 or Glass Clear G 800

Panel (side section): Glass Black G 880

“Vector Edge” collection configuration

Profile: Silver N 600

Drive unit: Silver N 600

Inlay: Anthracite P 180

Scanner unit: Glass Black G 880

Door leaf according to upper edge of door leaf and drive unit length: Plastic Clear G 801 or Glass Clear G 800

Panel (side section): Glass Clear G 800

“Core Steel” collection configuration

Profile: Anthracite P 180

Drive unit: Anthracite P 180

Inlay: Niro S 700

Scanner unit: Glass Black G 880

Door leaf according to upper edge of door leaf and drive unit length: Plastic Clear G 801 or Glass Clear G 800

Panel (side section): Niro S 700

“Organic Sand” collection configuration

Profile: Cafe Creme P 235

Drive unit: Cafe Creme P 235

Inlay: Anthracite P 180

Scanner unit: Glass Black G 880

Door leaf according to upper edge of door leaf and drive unit length: Plastic Clear G 801 or Glass Clear G 800

Panel (side section): Glass Cafe Creme G 835

“Custom” configuration

Here, the colour combinations can be freely selected from the existing Argus Color Index

For the profiles and drive unit:

White P 100

Cafe Creme P 235

Anthracite P180

Black P 190

Silver N 600

Niro N 700

For the inlay:

White P 100

Anthracite P 180

Silver N 600

Niro N 700

Niro S 700

For the panels (side sections):

Glass Clear G 800

Glass White G 810

Glass Light Grey G 830

Glass Cafe Creme G 835

Glass Black G 880

Niro S 700

Door leaf according to upper edge of door leaf and drive unit length:

Plastic Clear G 801 or Glass Clear G 800

“Customer-specific” configuration

Other colours according to RAL or NCS or other surfaces are possible on request.

Assembly and support services:

Assembly and commissioning by dormakaba or by sub-contractors commissioned and certified by dormakaba.