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dormakaba sensor barrier Argus 40

Designation: Argus 40
Version: half-height sensor barrier
Manufacturer: dormakaba

Standard equipment:

Construction:
Simple and appealing – integrative design of aluminium profiles with inlay elements 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 aluminium inlay elements in the handrail and in the front. 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. Visually elegant integration of the sensor attachment and cladding in the construction.

Prepared to hold a wide range of scanner units, underneath the inlay elements in the handrail, if technically possible.

Standard dimensions:
Passage width: 650 mm
Total width: 1060 mm
Interlock height: 990 mm
Interlock length: 1200 mm
Guiding element width: 130 mm
Guiding element of aluminium profile with aluminium inlay elements in the handrail and in the front

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 both door leaves are opened via the corresponding release signal.
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 40 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.

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

Optimised user guidance:
-Illuminated RFID icon in white, red and green, only in connection with concealed scanner installation.

Optimised separation sensors:
- For improved separation, both on the entrance side and on the exit side, an additional sensor is installed at hip height.

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 40, 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 on-site 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
Panel (side section): Optional 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
Panel (side section): Optional Glass Clear G 800

“True White” collection configuration:
Profile: White P 100
Drive unit: White P 100
Inlay: White P 100
Scanner unit: Glass White G 810
Panel (side section): Optional Glass Clear G 800

“Deep Black” collection configuration:
Profile: Black P 190
Drive unit: Black P 190
Inlay: Silver N 600
Scanner unit: Glass Black G 880
Panel (side section): Optional Glass Clear G 800

“Vector Edge” collection configuration
Profile: Silver N 600
Drive unit: Silver N 600
Inlay: Anthracite P 180
Scanner unit: Glass Black G 880
Panel (side section): Optional 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
Panel (side section): Optional Glass Clear G 800

“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
Panel (side section): Optional Glass Clear G 800

“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 P180
Silver N 600
Niro N 700
Niro S 700

For the scanner unit:
Glass Black G 880
Glass White G 810

For the panels (side sections):
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.