Description

dormakaba Argus 80 Series Advanced Modular Automatic Sensor Barrier System

Product Summary

Argus 80 is a 1,660mm advanced automatic sensor barrier system with ambient lighting and improved aesthetics. The system includes a safety level 2 sensor system, a user-guidance light-strip and a extensive freedom of choice of materials and finishes.

Certification

European Norm	No Harmonised European Norm
Product Classification	n/a (No Harmonised European Norm)
EC Certificate of Conformity No.	n/a (No Harmonised European Norm)
Certifire No.	n/a
Declaration of Performance	n/a (No Harmonised European Norm)
Other Test Evidence	n/a

BIM Assist™

BC(A)R Assist™*

Guarantee 1 Year

Last Reviewed 19/08/2019

* ROI Only

For the purpose of continual product development, KCC reserves the right to change specifications without notice.
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Features

- Advanced automatic sensor barrier system
- Suitable for internal applications
- Modular system that provides purist aesthetics & almost endless design possibilities
- Optional integrated ambient lighting to further improve aesthetics
- Full cast layer: Front and rear vertical frame sections provided as a seamless single piece
- Customisation of door leaves and side panels to corporate colours and / or logos
- Typically integrates with an access control system via its flush mounted scanner, mounted in the handrail. The scanner can be concealed below the glass with action area defined by an illuminated icon
- Operation: Basic position closed, once authorised, the door leaves open in the direction of travel, then close again
- Taller door leaves options increases security
- Guidance option of white, red or green light strip or icon, located in the handrail
- Safety level 2: Passage area monitored by enhanced sensor system
- Two sensors system limiting passage to one person and detecting entry from the wrong direction
- Emergency Exit Option: Doors to move to open position in the event of fire alarm activation
- Power Safety: Door leaves move freely in the event of power failure

Technical Characteristics

- Interlock Height: 995mm
- Interlock Length: 1,660mm
- Passage Width: 650mm
- Total Width: 1,060mm
- Upper Edge Door Leaf Height: 990mm
- Components
    - Blocking Elements: Two door leaves made of transparent polycarbonate, upper edge at 990 mm
    - Housing, base columns, guiding elements: Aluminium profile and inlay elements in the hand rail and in the front of the side panels
    - Sensors: Two sensors - horizontal configuration in leg area. The Argus 60 system also contains a vertical Secure Separation Sensor which allows for better identification and limits passage to exacly one person walking through. This smart sensor allows for those with suitcases and also wheelchair users. This sensor also detects entry from the wrong direction
    - Drives: Integrated in the swing tube. Type 2, power- assisted motion; two servo- positioning drives. Electrically controlled in both directions
    - Control System: Integrated in the unit
    - Power Supply: Integrated in the unit, 100-240 VAC, 50/60 Hz, 300 VA. 17VA of standby power consumption, ambient lighting in the passage area and the outside 200VA
    - Installation: Internal use only

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Options

- Lanes: Single, Twin, Triple, Quadruple, other combinations available
- Sensor Controlled & Monitored Extended Passage Width: 900mm or 915mm. This can be increased up to 1,600mm without monitoring and with restrictions on extended door height, details on request
- Extended Door Height
  - Drive height extends to 850mm
  - Upper edge leaf height extends to
    - Polycarbonate: H1,200mm x D10mm
    - ESG Safety Glass: H1,400mm x D10mm, H1,600mm x D10mm or H1,800mm x D10mm
  - Drive height extends to match upper edge leaf height
  - Upper edge leaf height extends to
    - Polycarbonate: H1,200mm x D10mm, H1,400mm x D10mm, H1,600mm x D10mm or H1,800mm x D10mm
- Scanner Options:
  - Flush mounted RFID scanner mounted in the handrail
  - Handrail concealed RFID scanner behind 6mm ESG Safety Glass. Action area defined by an illuminated icon
  - Surface mounted RFID scanner in the vertical surface, suitable for wheelchair users. Positioned at 850mm
- User Guidance: Illuminated RFID Icon in white, red and green and / or white-red-green running light-strip in the handrail
- Ambient Lighting options, select from:
  - Passage area LED white K4000
  - Outside LED white K4000
  - Additional red and green for status display
- Emergency Exit / Escape Route: STV-ETS module allows for the doors to move to open position in the event of fire alarm activation
- The Saferoute Control Unit (SCU) on or near the system activates the emergency exit and escape route func-tion, and the key-switch and emergency exit and escape route switches can be integrated. The SCU can also be actuated via the fire alarm system

Ambient Lighting

- Pleasant ambient light design adds a refined finish to the interlock and its sur-roundings. Optional green or red illuminated ele-ments can be used to indicate operating states

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Variable Passage Width & Taller Doors

- The passage width can be increased as an option, to monitored barrier free 915mm* for wheelchair users, material transport etc. The system can provide additional control of this feature by assigning 915mm, or the standard 650mm to user groups using RFID access. This is achieved by opening fully, or restricting the door opening angle
- For a greater level of security, doors with a 1,800mm upper edge height can be used. There is a further optional extended drive column (not illustrated) as an additional security barrier

**Unmonitored option of passage width up to 1,600 mm*

RFID Scanner Module

- The subtly concealed scanner unit defines the action area with nothing more than an illuminated icon. The prevalent RFID scanner formats can be fitted easily
- A scanner can be installed completely seamlessly, behind glass that protects it and leaves no traces of use even after thousands of entries.
- The maximum dimensions: 150 mm long, 90 mm wide and 30 mm deep. The typical dormakaba RFID Icon indicates the scanner position

Smart Emergency Unlocking (STV-ETS) and / or Saferoute Control Unit (SCU)

- The system's locking device is released via the STV--ETS control unit. The door leaves become freely mobile and can be opened in an emergency or rescue situation. They remain in the open position. When the emergency exit and escape route function is activated, a signal is sent to the build-ing technology The STV-ETS can also be actuated via the fire alarm system.
- The illustrated Saferoute Control Unit (SCU) on or near the system activates the emergency exit and escape route func-tion, and the key-switch and emergency exit and escape route switches can be integrated. The SCU can also be actuated via the fire alarm system

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Design Suggestions - Argus 80 True White - Configuration 80/001

- KCC Architectural / dormakaba Argus 80 Series Advanced Modular Automatic Sensor Barrier System. Passage Width 650, Upper Edge Door Leaf Height 990 - Configuration 001.
    - Profile / Drive Unit: White P 100. Full Cast Layer White P 100. Scanner Unit: Glass White G810. Panel: Glass Light Grey G 830. Swing Door: Polycarbonate Clear G801
    - Ambient Lighting: Passage area LED white K4000, Outside LED white K4000

Design Suggestions - Argus 80 Organic Sand - Configuration 60/003

- KCC Architectural / dormakaba Argus 80 Series Advanced Modular Automatic Sensor Barrier System. Passage Width 650, Upper Edge Door Leaf Height 990 - Configuration 003.
    - Profile / Drive Unit: Cafe Creme P 235. Inlay: Anthracite P 180. Scanner Unit: Glass Black G880. Panel: Glass Cafe Creme G 835. Swing Door: Polycarbonate Clear G801
    - Ambient Lighting: Passage area LED white K4000, Outside LED white K4000

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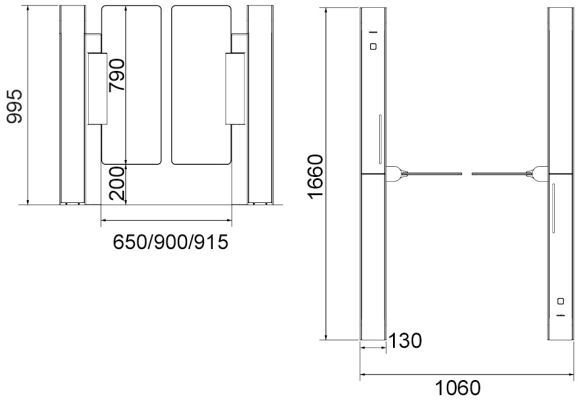

Specification Text

SENSOR BARRIER / TURNSTILE
· Manufacturer: KCC Group / dormakaba
- Product reference: KAB-ARGUS80
· Type: Advanced Modular Automatic Sensor Barrier System
· Lanes: [SPECIFY SINGLE/TWIN/TRIPLE/QUADRUPLE/OTHER]
· Interlock height: 995mm
· Interlock length: 1660mm
· Total width: 1060mm
· Clear passage width: [SPECIFY 650/900/915]mm
· Upper edge leaf height: [SPECIFY 990/1200/1400/1600/1800]mm
· Leaf material: [SPECIFY POLYCARBONATE / ESG GLASS]
· Blocking Elements: Two door leaves
· Housing, base columns, guiding elements: Aluminium profile, single piece seamless inlay in the handrail and in the front of the side panels
· Sensors: Safety level 2 : Two sensors system limiting passage to one person and detecting entry from the wrong direction
· Scanner (select from):
+ Flush mounted scanner mounted in the handrail / handrail.
+ Concealed RFID scanner behind 6mm ESG safety glass. Action area defined by an illuminated icon.
+ Surface mounted scanner in the vertical surface, suitable for wheelchair users. Positioned at 850mm
· Emergency exit: [SPECIFY OPTIONAL STV-ETS MODULE / SCU SAFE ROUTE CONTROL UNIT]
· Drives: Integrated in the swing tube. Type 2, power- assisted motion; two servo- positioning drives. Electrically controlled in both directions.
· Control System: Integrated in the unit
· Power Supply: Integrated in the unit, 100 - 240 VAC, 50/60 Hz, 300 VA. 17VA of standby power consumption, ambient lighting in the passage area and the outside 200VA
· Installation: Internal use only

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