Description

DaoSafe Quantum Modular Speed Gate System



Product Summary

The DS-Q70 is modular speed gate system to control pedestrian entry or exit in restricted internal areas

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™

CE

BC(A)R Assist™*

Guarantee **3 Years Mechanical**

Last Reviewed 03/07/2025

* ROI Only

For the purpose of continual product development, KCC reserves the right to change specifications without notice.
Please accept all dimensions as approximate. E&OE. © KCC Group 2026.

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Applications

- DS-Q70 Quantum speed gate is the fastest open and close speed gate on the market. With 55 persons passing per minute which is perfect for the sites with big visitor's flow rate. Supporting 600mm-1100mm for wide passageway, wheelchair, and pedestrian with large luggage can also pass
- Design with classic black, white color appearance, elegant and timeless pairing, perfect for using at high end applications

Features

- Two way or one way working
- Support integrated with any type of access control systems
- 0.1S fast open speed, 55 person/min high throughput
- Passage width can be extended to 1100mm
- Lower power consumption
- Low noise, system runs smoothly
- Green and red LED indicator display passing status
- Indoor use
- Fire safety requirements, arms open automatically
- Easy to install and maintain
- 3 years warranty support

Customisation

- Appearance color can be customized based on installation environment
- Dimensions can be customized to meet your request
- Logo can be customised
- Arm glass width and height are optional
- Infrared sensor number optional
- Waterproof optional
- Picture: high resolution and scene picture can be customised

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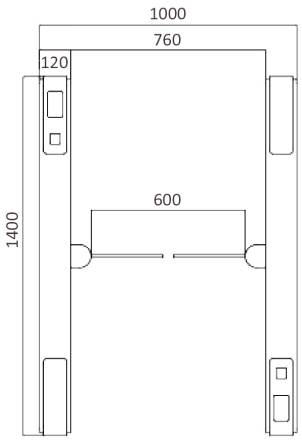
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Functions

- Infrared sensor alarm function: In case of illegal intrusion and / or reverse intrusion
- Anti-intrusion function: The gate is locked automatically until valid opening signal input
- Anti-reverse function: The turnstile alarms if someone wants to enter in the reverse direction
- Anti-trailing function: The speed gate alarms if someone wants to burst in without permission
- Anti-collision and anti-kick function: Designed with consolidated and more durable mechanism, will not break even someone collides with it
- Mechanism self-protection: The arm will reset automatically in off position. The movement will not be broken or damaged even if hit

Technical Characteristics

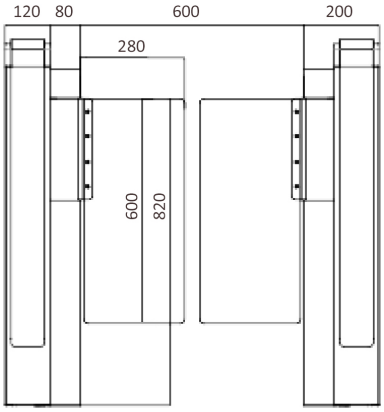
- Framework material: Steel, white and black stoving varnish, tempered glass
- Arm material: Plexiglas-transparency
- Passage width: 600mm (standard), 1100mm (accessible)
- Arm height: 900mm (standard), 1800mm max. (optional)
- Passing direction: Single directional / Bi-directional
- Power supply: AC220V/110V, 50/60Hz
- Operation voltage: 24V DC
- Power consumption: 40W
- Operational temperature: -20°C - +75°C
- Operation humidity: 0 ~ 95% (No condensation)
- Working environment: Indoor / Outdoor (with shelter)
- Flow rate: 55 people per minute
- LED indicator: Two LED indicators on top - green → entry, red × no entry
- Infrared sensor: 4 pairs (standard)
- Emergency: Automatic arm open when power off
- Communication: Dry contact, relay signal, RS485
- Integration: Possible with most access control systems



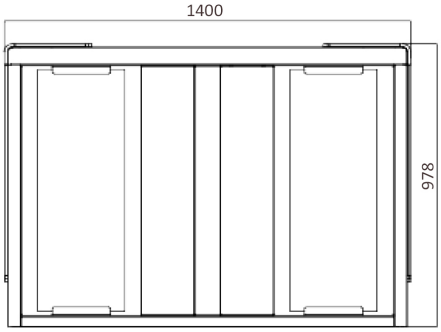
Top View

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Front View



Side View

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Specification Text

SENSOR BARRIER / TURNSTILE
· Manufacturer: KCC Group / DaoSafe
- Product reference: KAB-DSQ70
· Type: DaoSafe Modular Speed Gate System
· Flow rate: 55 people per minute
· Passing direction: Single & bi-directional (selectable)
· Passage width: 600mm (standard), 1100mm (accessible)
· Arm height: 900mm (standard), 1800mm max. (optional)
· Working environment: Internal
· Framework material: Steel
· LED indication: GREEN = entry, RED = no entry
· Power Failure: Automatic arm open when power off
· Communication: Dry contact, relay signal, RS485
· Power supply: AC220V/110V, 50/60Hz
· Operation voltage: 24vDC
· Power consumption: 40W
· Operation temperature: -20 °C to 75 °C
· Operation Humidity: 0 ~ 95% (no condensation)
· Infrared sensor: 4 pairs (standard)

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