

Description

Geze Low Energy / Fully Automatic Drive System for Automatic 'Push' Swing Doors up to 230kg Leaf Weight - Fire Rated



Product Summary

Electro-mechanical drive system for automatic 'push' swing doors. Internal or external, single or double leaf doors, fire and/or smoke rated, up to 230kg leaf weight

Certification			BIM Assist™	
European Norm	hEN1154		CE	
Product Classification	③⑧⑤①①①①③		Certifire	
EC Certificate of Conformity No.	DOL & DOC 167892-03		BC(A)R Assist™*	
Certifire No.	CF860		Guarantee	1 Year
Declaration of Performance	No Requirement		Last Reviewed	07/06/2024
Other Test Evidence	n/a		* ROI Only	

**Description**

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**Features**

- Electro-mechanical drive system for automatic 'push' swing doors. Internal or external, single or double leaf doors, fire and/or smoke rated
- Compact slim drive of only 7 cm high and can move large and heavy doors up to 230kg leaf weight comfortably and quietly
- Low-wear and maintenance free high-power motor guarantees reliable operation even for doors which are heavily frequented
- All door parameters e.g. opening and closing speed as well as latching action, can be adjusted
- Automatic reversal when an obstacle is detected



#### Technical Characteristics

- Dimensions (Drive): H70mm x W650mm x D121mm
- Leaf Weight (Max. 1-leaf): 230kg
- Hinge clearance (min.-max.) 2-leaf
  - Transom installation with guide rail - 1700mm - 2500mm / 2800mm\*\*
  - Transom installation opposite hinge with link arm - 1700mm - 2800mm
- Reveal depth\* (Max.): 400mm
- Door Overlap\* (Max.): 30mm
- Drive type: Electromechanical
- Door opening angle (Max.): 115 Degrees
- Spring pre-load: EN3 - EN6
- Configuration
  - DIN left & DIN right
  - Transom installation hinge side with guide rail
    - Leaf width Min - 850mm, Max - 1250mm / 1400mm\*\*
  - Transom installation opposite hinge side with guide rail
    - Leaf width Min - 850mm, Max - 1250mm / 1400mm\*\*
  - Transom installation opposite hinge side with link arm
    - Leaf width Min - 750mm, Max - 1400mm
  - Door leaf installation hinge side with roller guide rail\*\*
    - Leaf width Min - 850mm, Max - 1250mm / 1400mm\*\*
- Mechanical latching action
- Electrical latching action
- Electrical closing sequence control
- Activation delay (Max.): 20 seconds
- Operating voltage: 230v
- Frequency of supply voltage: 50 - 60hz
- Capacity rating 230w
- Power supply for external devices 24vDC: 1200mA
- Temperature range -15 to 50°c
- IP rating: IP30
- Operating modes: Automatic, hold open, night, exit only, off
- Type of function: Fully automatic
- Key switch options:
  - 3 position: Allows the user to cycle through modes of automatic, hold open, night
  - Morning entry: Door will open irrespective of it's mode

\* Depending on the type of installation, \*\* Not suitable for fire doors

#### Functions



- Site selectable programming options via the optional Display Programming Switch (DPS) include:
  - Automatic mode: The doors will automatically power open on entry or egress via the activation devices, and automatically close after a preset time
  - Servo function: Manual door opening is supported by the drive and ensures that even heavy doors can be opened more easily
  - Push & go function: Can be activated on request, i.e. the door is only slightly opened by hand and the automatic activation opens the door completely
  - Low-energy function: Allows the drive to consume less energy, moving the door at a reduced speed
  - Interlocking door system function: Where two doors work together so that one door will open, when the other is closed. This could be a security feature or could be to create a draught lobby to reduce heat loss

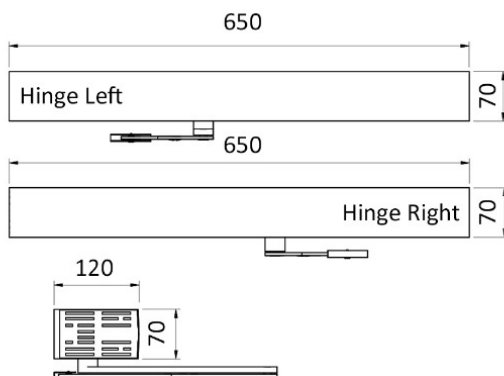


#### Approvals

- DIN EN ISO 13849-1: 2008-12
- DIN EN 16005: 2013-01
- DIN 18650-1: 2010-06
- DIN 18650-2: 2010-06
- DIN EN 60335-1: 2012-10
- DIN EN 60335-2-103: 2010-05
- DIN EN 60950-1: 2011-01
- DIN EN 61000-6-2: 2006-03
- DIN EN 61000-6-3: 2011-09

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## Specification Text

### SWING DOOR OPERATORS

- Standard: To BS EN1154.
- Door closing devices to fire/ smoke control doors: CE marked.
- Manufacturer: Geze
- Product reference: KAD-EMDF-S
- Type: Electromagnetic Low Energy / Fully Automatic Slimdrive Swing Door Operator for Single Leaf 'Push' Doors
- Power size: 4-6
- Other functions: n/a
- Casing finish: [SPECIFY FINISH]
- Operational adjustment:
  - Variable power: Matched to size, weight and location of doors.
  - Latched doors: Override latches and/ or door seals when fitted.
  - Unlatched doors: Hold shut under normal working conditions.
  - Closing against smoke seals of fire doors: Positive. No gaps.

### PERFORMANCE SPECIFICATION FOR SWING DOOR OPERATORS

- Standard: To BS EN1154.
- Door closing devices to fire/ smoke control doors: CE marked.
- Minimum classification grades:
  - Category of use: 3
  - Durability: 8
  - Door closer power size: 4-6
  - Suitability for use on fire/ smoke doors: 1
  - Safety: 1
  - Corrosion resistance: 0
- Type: Electromagnetic Slimdrive Swing Door Operator for Single Leaf 'Push' Doors
- Other functions: n/a
- Casing finish: [SPECIFY FINISH]
- Operational adjustment:
  - Variable power: Matched to the sizes and weights of doors.
  - Latched doors: Override latches and/ or door seals when fitted.
  - Unlatched doors: Hold shut under normal working conditions.
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