

Description

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



Product Summary

Electro-mechanical drive system for automatic 'pull' 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	③⑧⑤①①①① ③	Certifire	
EC Certificate of Conformity No.	See DOP	BC(A)R Assist™*	
Certifire No.	CF860	Guarantee	1 Year
Declaration of Performance	DOP422015	Last Reviewed	02/10/2019
Other Test Evidence	n/a	* 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 2020.

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**Features**

- Electro-mechanical drive system for automatic 'pull' 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

Standards

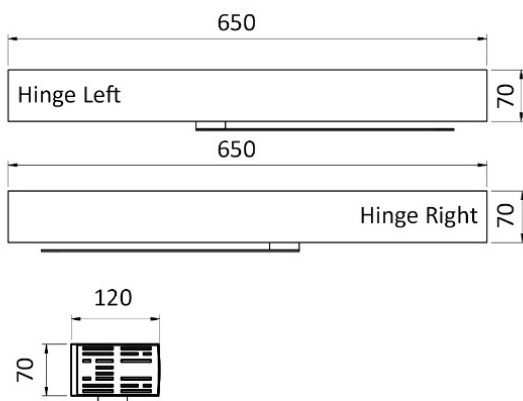
This product meets / surpasses the following:



- DIN 18650: The industrial standard DIN 18650 was created to guarantee operators and users of automatic doors optimum safety. GEZE sliding door systems have been type-tested and certified in accordance with DIN 18650.
- EN 16005: The European standard EN 16005 sets out the design requirements and testing methods used to ensure the safe use of automatic doors. All automatic door systems and safety sensors from GEZE meet the EN 16005 standard
- EN 18263-4: Door closer sequence selector standard
- DIN EN 18650-1:2010-06
- DIN EN 18650-2:2010-06
- EN 16005:2012 + AC:2015
- EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011 + A2:2013
- DIN EN ISO 13849-1:2008
- EN 60335-1:2012
- EN 60335-2-103:2003 + a11:2009
- EN 61000-6-2:2005
- EN 61000-6-3:2007/A1:2011/AC:2012

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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 'Pull' Doors
- Power size: 3-5
- 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: 3-5
 - Suitability for use on fire/ smoke doors: 1
 - Safety: 1
 - Corrosion resistance: 0
- Type: Electromagnetic Slimdrive Swing Door Operator for Single Leaf 'Pull' 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.
- Closing against smoke seals of fire doors: Positive. No gaps.