KAD-POWERTURN F

Fire Rated, Satin Anodised Aluminium

Description

Geze Fully Automatic Drive System for Automatic Swing Doors up to 600kg Leaf Weight and up to 1,600mm Wide

Product Summary

Electro-mechanical drive for automatic swing doors. Internal or external, fire and non fire rated, single or double leaf doors

Certification

European Norm	No Harmonised European Norm
Product Classification	n/a (No Harmonised European Norm)
EC Certificate of Conformity No.	EC Declaration of Incorporation (DOL) 05280-11760, EU Declaration of Conformity (DOC) 1001-01
Certifire No.	CF6119
Declaration of Performance	No Requirement
Other Test Evidence	n/a

BIM Assist™

CE

Certifire

BC(A)R Assist™*

Guarantee	**1 Year**
Last Reviewed	12/06/2024

* ROI Only

Description

Geze Fully Automatic Drive System for Automatic Swing Doors up to 600kg Leaf Weight and up to 1,600mm Wide

Features

- Electro-mechanical drive for automatic swing doors. Internal or external, fire rated, single or double leaf doors up to 600kg leaf weight and up to 1,600mm wide
- Fire Operation:
  - The drive system is used to automatically open and close single leaf fire protection doors.
  - Fire protection doors can be held open. In the event of a fire, an appropriate fire detection system must cancel the automatic function or any hold-open mechanism. The drive retains normal door closer characteristcs
- Door can be opened under power or be used as a conventional manual swing door
- Compact slim drive of only 7cm high and can move doors up to 600kg leaf weight comfortly and quietly
- All door parameters e.g. opening and closing speed as well as latching action, can be adjusted
- Push version with slide arm or pull version with side channel
- 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
  - 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
  - Shop closing mode: Exit only, traffic can flow in one direction only
  - Night mode: Door is closed and locked (where appliciable). May be overriden by a keyswitch for example
  - Hold open mode: This mode will drive the doors to the open position and maintain them in this position until another function is selected. This is commonly used on hot days

Technical Characteristics

- Dimensions (Drive): H70mm x W720mm x D130mm
- Leaf Weight (Max.): 600kg (at door widths of up to 930mm)
- Leaf Width* (Min.): 800mm
- Leaf Width* (Max.): 1600mm
- Hinge clearance (min.-max.) 2-leaf link arm: 1600mm-3200mm
- Hinge clearance (min.-max.) 2-leaf roller guide rail: 1600mm-2800mm
- Reveal depth* (Max.): 300mm
- Drive type: Electromechanical
- Door opening angle (Max.): 136 Degrees
- Spring pre-load: EN4 - EN7
- Configuration
  - DIN left & DIN right
  - Transom installation hinge side with link arm
  - Transom installation opposite hinge side with link arm
  - Transom installation hinge side with roller guide rail
  - Door leaf installation opposite hinge side with roller guide rail
  - Door leaf installation hinge side with roller guide rail
  - Door leaf installation hinge side with link arm
- Mechanical latching action
- Electrical latching action
- Activation delay (Max.): 10 seconds
- Operating voltage: 230v
- Frequency of supply voltage: 50 - 60hz
- Capacity rating: 200w
- Temperature range: -15 to 50°c
- IP rating: IP30
- Type of function: Fully automatic

* Depending on the type of installation

Functions

- Low energy mode: Automatic function offering force levels at the leading edge of the door not exceeding 67N of force and 1.69J of kinetic energy
- Smart swing: This technical solution means opening forces can be lower than other convention automatic swing doors
- Push & go adjustable: The door is manually pushed to activate, the Powerturn then carries on the motion, by automatically driving the door to the open position
- Obstacle detection: Using both electro-sensitive protective equipment and force limitation, the operator is able to detect obstacles in its path and stop/automatically reverse to prevent damage or injury
- Automatic reversing: On the close cycle, the operator is able to utilise obstacle detection, and should there be anything in the way, stop the door leaf and automatically return it to the open position – preventing collisions with traffic using the door

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

Options

- Powerturn: For non fire rated single leaf automatic doors
  - Powerturn F-IS: With integrated closing sequence control for double leaf fire and smoke protection automatic doors
  - Supplied with an integrated closing sequence control (electronic & mechanical). The closing sequence control ensures that the fixed leaf closes first . The active leaf only closes once the fixed leaf has closed completely. The mechanical closing sequence control also works without electricity (and in the event of a power failure)
- Powerturn F-IS/TS: With integrated closing sequence control for double leaf fire and smoke protection automatic doors and with door closer function
  - The active leaf is automated and the fixed leaf is equipped with a door closer. This is typically used where the automated active leaf is the primary use of the door. Supplied with an integrated closing sequence control (electronic & mechanical). The closing sequence control ensures that the fixed leaf closes first. The active leaf only closes once the fixed leaf has closed completely. The mechanical closing sequence control also works without electricity (and in the event of a power failure)
  - The active and inactive leaf can also be held open. In the event of a fire, an appropriate fire detection system must cancel the automatic function or any hold-open mechanism

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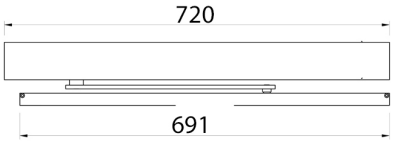

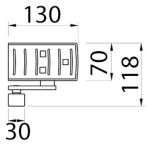

Specification Text

SWING DOOR OPERATORS
- Manufacturer: Geze
- Product reference: KAD-POWERTURN F
· Type: Geze Fully Automatic Drive System for Automatic Swing Doors up to 600kg Leaf Weight and up to 1,600mm Wide. Fire Rated
· Power size: 4-7
· Other functions: n/a
· Casing finish: [SPECIFY FINISH]
· Dimensions (Drive): H70mm x W720mm x D130mm
· Leaf Weight (Max.): 600kg (at door widths of up to 930mm)
· Leaf Width (Min.): 800mm (depending on the type of installation)
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· Hinge clearance (min.-max.) 2-leaf roller guide rail: 1600mm-2800mm
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