Making sure a door closes quietly and securely is sometimes a challenge. Self-closing doors can cause noise disturbance in environments peaceful in essence. Whether in hotels, hospitals, care homes or schools, silence is desirable and fosters relaxation, recovery and learning.

They can also struggle where there are air pressure differences, such as clean rooms and server rooms, or simply where there are draughts from the outside pulling against an entrance door.

A door that doesn’t close properly is a problem. It puts the fire safety of the building at risk, compromises security and adds to building energy costs.

A banging door or noise filtering through an open door can irritate. When high volumes of users pass through, a self-closing door needs to handle the traffic and preserve peace and quiet.

A door must close safely: strong enough to close firmly, but sensitively and slowly so that little fingers don’t get trapped.

A good door doesn’t bar the way. Older users and children must feel comfortable opening it, and those with luggage need time to get through.

The challenge:
How quietly and securely can a door close?
The solution:
Look no further than Close-Motion®

Innovative Cam-Motion® technology combines with an integrated damping device to close doors quietly, safely and securely at the speed you want.

The door is pulled quietly and securely into the frame, allowing the locking system to latch the door into position. Close-Motion® minimises problems from draughts and differences in air pressure. No noise. No fuss.

Close-Motion® can be safely set to faster closing speeds as the unique damping feature preserves safety and silence by controllably slowing the door during the last few degrees of closing.

With safety, noise, accessibility and security covered, Close-Motion® is ideal for environments ranging from hospitality to healthcare and encompassing education and commercial or government buildings.

Easy to install by design, it is simple to adjust the standard closing and backcheck controls. Retrofit and upgrade paths are simple, as Close-Motion® uses the same mounting positions as the four core ASSA ABLOY door closer variants DC200, 300, 500 and 700. It is also suitable for retrofitting on single and double leaf* fire and smoke protection doors.

Close-Motion® in. Noise out.
The perfect solution to quiet and secure door closing challenges.

* CE certificates applied for
Advantages at a glance

Close-Motion® technology

1. Provides, quiet and safe closing, minimising the danger of finger traps.

2. Produces optimal damping when closing for quiet door closing action.

3. Increases the closing force to pull the door securely into the frame.

4. Closes doors reliably in environments when external wind pressure or air pressure differentials can be problematic.

5. Combines with other ASSA ABLOY architectural hardware to create a complete door opening solution by design.

6. Suitable for single and double-leaf doors*.

* CE certificates applied for
Designed to enhance your specification...

**Subtle contrast**
Sophisticated and sleek, ASSA ABLOY door controls blend lightly contrasting colours and finishes to give a pleasing enhancement to the door design, perfect for all environments.

**Distinctive and modern**
Contemporary in appearance, with neat chamfered edges that exude quality and robustness.

**Smooth and robust**
A distinct yet unobtrusive appearance achieved with soft angles and a double radius.
...the latest evolution that works with your architectural vision

**Definition and continuity**
Strong lines combined with light metallic finishes make a powerful statement. The hallmark horizontal groove provides recognisable continuity from model to model.

**Quieter by design**
Close-Motion® integrates the damping mechanism unobtrusively into the guide rail, so its extra features do not detract from the hallmark ASSA ABLOY portfolio design.

Built to the highest standards of quality and compliance, Close-Motion® offers unique user comfort in an aesthetically pleasing design, to give a door opening solution that matches your needs.
DC700G-CM
Door closer with Cam-Motion® technology and integrated Close-Motion® element

ASSA ABLOY DC700G-CM
- Door closer with Cam-Motion® technology, extended mounting plate and integrated Close-Motion® element for safe and noiseless closing
- The door can be pulled closed safely and quietly from an angle of ≤ 10°
- Suitable for retrofitting on fire doors and smoke control doors and fastening using drilling template in accordance with DIN EN 1154, supplementary sheet 1:2003-11
- Suitable for fire and smoke protection doors with tamper protection
- Tested as a whole element in accordance with EN 1154, size 3-6
- For single action doors up to 1400 mm wide
- Variants tested according to EN 1155 and EN 1158 (CE certificates applied for)

Characteristics of DC700G-CM
- Integrated Close-Motion® element in extended closer housing
- Close-Motion® element with horizontal and vertical adjustment
- Optional tamper protection, installation without dismantling function elements
- Standard installation on hinge side
- Can be used for left and right-handed doors
- 14 mm height adjustable arm system for ease of fitting
- Closing speed and latching speed continuously adjustable from front
- Variable adjustable closing force
- Opening angle up to 170°
- Thermodynamic valves for consistent speed
- Standard colours: Silver EV1, stainless steel design

Characteristics of G150
- Close-Motion® control curve integrated in the guide rail
- Drilling template of the standard guide rails from ASSA ABLOY can be used
- Height-adjustable by 2 mm for tolerance
- Concealed fastening screws

ASSA ABLOY Sicherheitstechnik GmbH
Blossowstraße 20
72458 Albstadt
DC700G-CM
Technical attributes

<table>
<thead>
<tr>
<th>Technical attributes</th>
<th></th>
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<tbody>
<tr>
<td>Closing force</td>
<td>Variable adjustable EN 3-6</td>
</tr>
<tr>
<td>Door width up to</td>
<td>1400 mm</td>
</tr>
<tr>
<td>Suitable for fire doors</td>
<td>Yes</td>
</tr>
<tr>
<td>Handing</td>
<td>Left / right handed</td>
</tr>
<tr>
<td>Mounting method</td>
<td>Standard installation on hinge side</td>
</tr>
<tr>
<td>Closing speed</td>
<td>Variable between 170°-10°</td>
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<tr>
<td>Latching speed</td>
<td>Variable between 10°-0°</td>
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<tr>
<td>Backcheck</td>
<td>Variable above 75°</td>
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<tr>
<td>Max. door opening angle hinge side</td>
<td>ca. 170°</td>
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<tr>
<td>Certified in compliance with</td>
<td>EN 1154, EN 1155*, EN 1158*</td>
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<tr>
<td>CE marking for building products</td>
<td>Yes</td>
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<tr>
<td>Weight</td>
<td>5.9 kg</td>
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<tr>
<td>Dimension door closer</td>
<td>528 x 66 x 66 mm</td>
</tr>
<tr>
<td>Dimension guide rail</td>
<td>528 x 30 x 61 mm</td>
</tr>
<tr>
<td>Close-Motion® unit</td>
<td></td>
</tr>
<tr>
<td>Support when closing</td>
<td>Yes</td>
</tr>
<tr>
<td>Damping when closing</td>
<td>Yes</td>
</tr>
<tr>
<td>Suitable for fire doors</td>
<td>Yes, with tamper protection</td>
</tr>
<tr>
<td>Handing</td>
<td>Left / right handed</td>
</tr>
<tr>
<td>Tamper protection</td>
<td>Left / right handed</td>
</tr>
</tbody>
</table>

* CE certificates applied for

Our service for you: here you can see the individual advantages of our door closer models for your respective field of business.

Specifications DC700G-CM
ASSA ABLOY door closer with Cam-Motion® technology, extended mounting plate and integrated Close-Motion® element; guide rail with Close-Motion® control curve.

- Closing power adjustable, EN size 3-6, for doors up to 1400 mm wide
- Door closer DC700 tested in accordance with DIN EN 1154, with CE mark
- Closing speed, latching speed and backcheck continuously adjustable
- 14 mm height adjustable arm system for ease of fitting
- Suitable for fire and smoke protection doors
- Suitable for left and right handed doors
- Close-Motion® element horizontal (±6mm) and vertical (±5 mm) adjustable

Accessories:
- Mounting plate A131
- Mechanical opening damper A188
- Mech. hold-open device A158 (not for fire and smoke protection doors)
- Tamper protection M220 / M225
- Adapter plate A230 / A240 / A250 / A260

Colour:
- Silver EV1
- Stainless steel design

You can find the complete specification on the internet at: www.assaabloy.co.uk/doorclosers
DC700G-CM
Dimensional drawings and accessories

Space required on doors for standard installation on hinge side
Left handed door shown in diagram
Right handed door is the reverse

Installation dimensions for direct standard mounting on hinge side
Right handed door shown in diagram
Left handed door is the reverse

Adapter plate A230 / 2 mm
For mounting the guide rail to rebated doors
Combination with A240, A250, A260 possible

Adapter plate A240 / 3 mm
For mounting the guide rail to rebated doors
Combination with A230, A250, A260 possible

Adapter plate A250 / 5 mm
For mounting the guide rail to rebated doors
Combination with A230, A240, A260 possible
DC700G-CM

Accessories and order placement information

Mechanical Hold-Open Device A158
Mechanical hold-open device for temporarily holding doors open
Doors held open at an opening angle of 130° hinge side
Continuously adjustable holding force
Not approved for use on fire and smoke protection doors

Opening damper A188
Helps to prevent the door and door handle from hitting a return wall.
Simple installation in the guide rail, but doesn’t replace the need for a door stop

<table>
<thead>
<tr>
<th>Designation / Item</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC700G-CM, EN size 3-6, silver EV1</td>
<td>D C 7 0 0 C M - - - - D E V 1 -</td>
</tr>
<tr>
<td>DC700G-CM, EN size 3-6, stainless steel design</td>
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</tr>
<tr>
<td>Guide rail G150, silver EV1</td>
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</tr>
<tr>
<td>Guide rail G150, stainless steel</td>
<td>D C G 1 5 0 - - - - D 3 5 -</td>
</tr>
<tr>
<td>Mounting plate A131, silver EV1</td>
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</tr>
<tr>
<td>Mounting plate A131, white, similar to RAL9016</td>
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<tr>
<td>Tamper protection M220, galvanized</td>
<td>D C M 2 2 0 - - - - - 4 0</td>
</tr>
<tr>
<td>Tamper protection M225, galvanized</td>
<td>D C M 2 2 5 - - - - - 4 0</td>
</tr>
<tr>
<td>Adapter plate A230, 2 mm, stainless steel</td>
<td>D C A 2 3 0 - - - - - 3 5</td>
</tr>
<tr>
<td>Adapter plate A240, 3 mm, stainless steel</td>
<td>D C A 2 4 0 - - - - - 3 5</td>
</tr>
<tr>
<td>Adapter plate A250, 5 mm, silver EV1</td>
<td>D C A 2 5 0 - - - - - E V 1 -</td>
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<tr>
<td>Adapter plate A260, 15 mm, silver EV1</td>
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</tr>
<tr>
<td>Mechanical Hold-Open Device A158</td>
<td>D C A 1 5 8 - - - - -</td>
</tr>
<tr>
<td>Opening damper A188</td>
<td>D C A 1 8 8 - - - - -</td>
</tr>
</tbody>
</table>

Adapter plate A260 / 15 mm
For mounting the guide rail to rebated doors
Combination with A230, A240, A250 possible
ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.