



# DC700G-CO-FT Technical Datasheet

Security door closer with Cam-Motion® technology  
for double-leaf doors with emergency exit lock

**ASSA ABLOY**  
Opening Solutions

Experience a safer  
and more open world

# DC700G-CO-FT

Security door closer with Cam-Motion® technology, integrated latch bolt, escape door strike and mechanical door coordinator – for double leaf doors, size 3-6



DC700G-CO-FT, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort. The latch bolt is integrated into the extended mounting plate. The escape door strike and mechanical door coordinator are integrated into the extended guide rail.

- Certified in compliance with EN 1154/1158, size 3-6
- Suitable for fire and smoke protection doors
- For double leaf doors with hinge distance from 1480 mm up to 2500 mm
- Barrier-free according to CEN/TR 15894
- Escape door strike tested according to EltVTR

## Colours

- Silver, EV1
- Stainless steel design

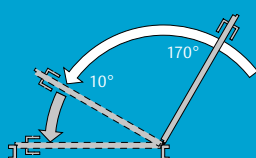
## Features

- Height-adjustable, grooved spindle and guide rail compensate installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- Easy to retrofit using drilling template compliant with EN 1154, supplementary sheet 1

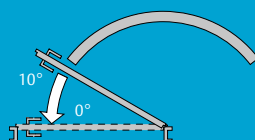
## Guide rails and accessories

- **DCFA10/DCFA11** spacer plates for shimming guide rails over ASSA ABLOY drilling pattern
- **DCFA12/DCFA13** mounting and replacement plates for mounting over ASSA ABLOY drilling pattern and over existing drill holes when the guide rail is replaced
- **A188** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)

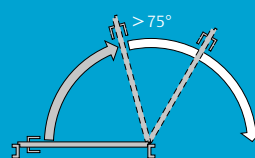
## Independent adjustment via front-facing valves



Closing speed (C)



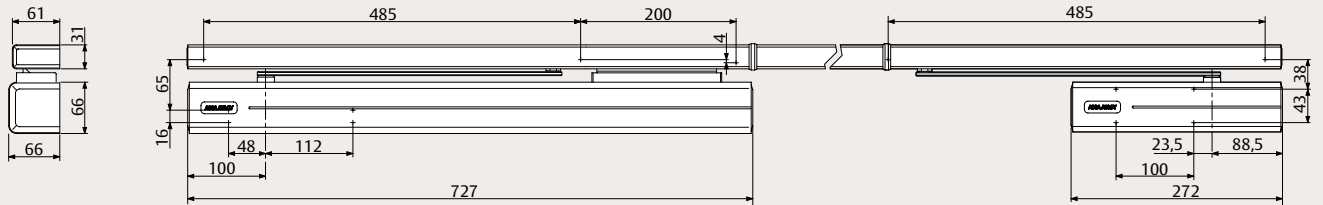
Latch speed (L)



Backcheck (B)

# DC700G-CO-FT

## Technical attributes and certification



DC700G-CO-FT, dimensions in mm



### Technical attributes

Guide rail G-CO-FT (For door closer information, please see DC700G-FT and DC700.)

Closing force	EN size 3-6
Maximum active leaf width	1200 mm
Maximum hinge distance	1480 – 2500 mm
Maximum opening angle	~170°
Door system	Double leaf
Handing	Left- / right-handed
Mounting options	Leaf mounting on hinge side
Force adjustment	Yes
Height adjustment	Yes
Corrosion resistance	Grade 3 (96 hours)
Dimensions (H x D x L)	31 x 61 x * mm (*depends on hinge distance)
<b>Escape door strike</b>	
Holding force	2000 N
Required power supply	24 V DC
Rated current	95 mA / 24 V
Rated operational voltage tolerance	+/- 10%
Anchor contact	Yes
Free-wheeling diode	Yes
Operating temperature range	-15 °C to +40 °C



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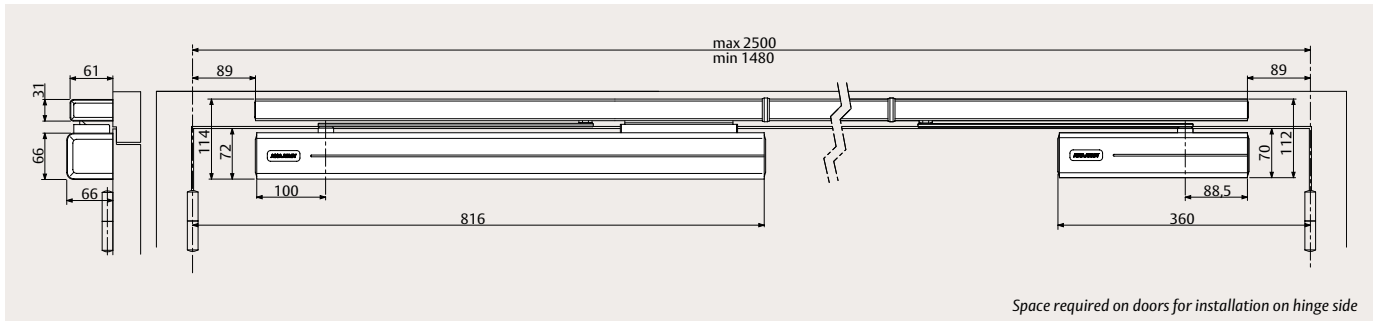
### Certification and testing

Certified in compliance with	EN 1154 (door closer) EN 1158 (coordinator) EltVTR (escape route controller)
CE classification	3   8   3-6   1   1   3
CE / UKCA mark	Yes
Suitable for fire and smoke protection doors	Yes
Barrier-free according to	CEN/TR 15894
Third-party verified EPD	ISO 14025, EN 15804



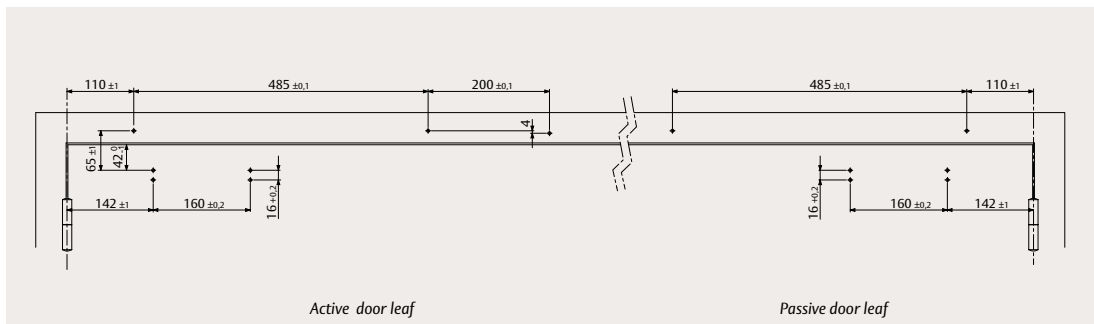
# DC700G-CO-FT

## Space requirement and mounting dimensions



### Mounting plate leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### Note

Flush or surface installation of wiring possible, 4 m connecting cable included.

The position of the locking components on the guide rail and mounting plate are designed in such a way that escape door strikes and latch bolt are correctly aligned when installed in a flush position (flush-fitted doors).

Adjustment option on escape door strike (FaFix®) of +/- 1 mm (0.5 mm increments) and latch bolt lock of +6/-3 mm horizontally and +8/-4 mm vertically (4 mm increments) to compensate smaller differences in measurements.

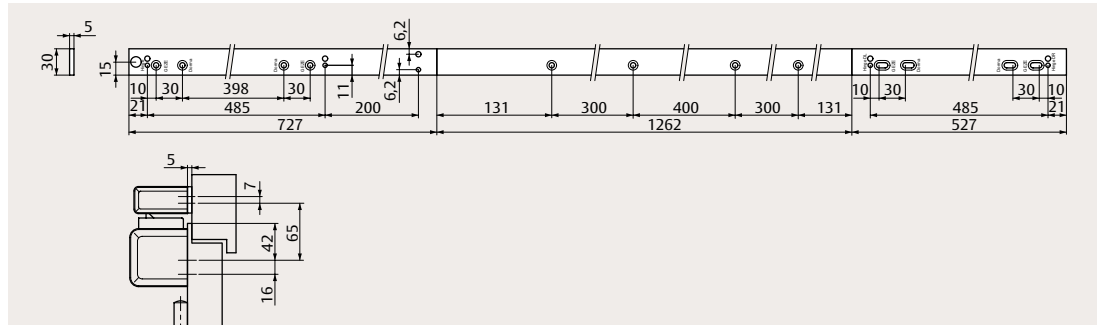
In the case of doors with an overlapping door leaf (narrow or wide rebate), the following spacer plates must be used to ensure that the guide rail and mounting plate are in a flush position when on top of one another.

# DC700G-CO-FT

## Accessories

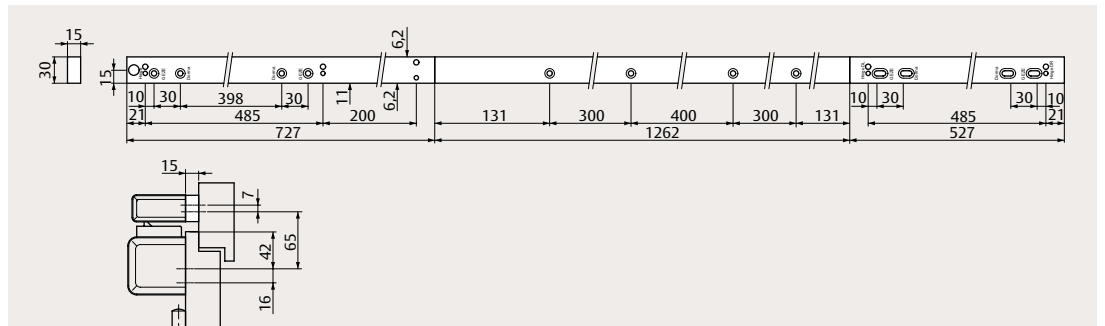
### DCFA10 spacer and replacement plate, 5 mm

for use on narrow rebate doors



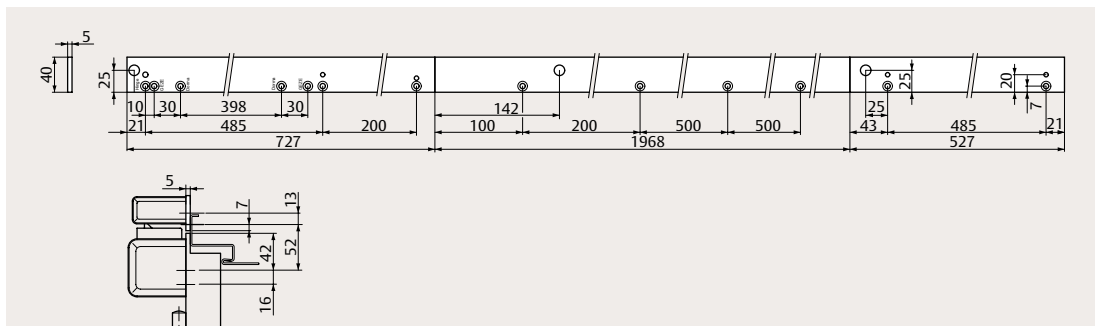
### DCFA11 spacer and replacement plate, 15 mm

for use on wide rebate doors



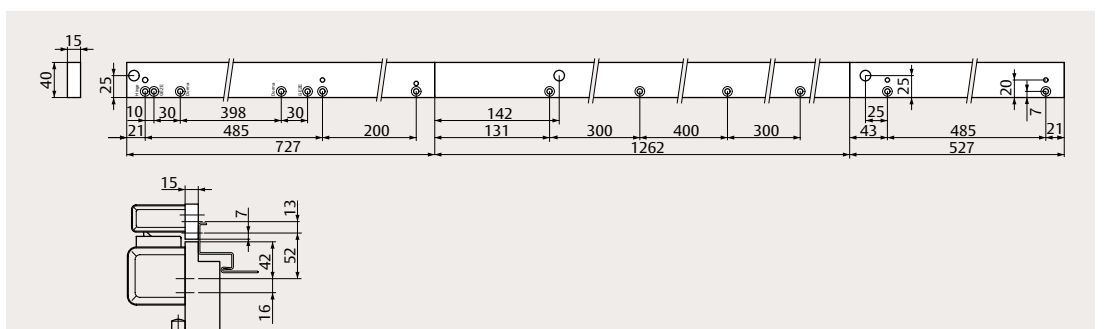
### DCFA12 mounting and replacement plate for narrow frames, 5 mm

for use on flush doors or narrow rebate doors



### DCFA13 mounting and replacement plate for narrow frames, 15 mm

for use on wide rebate doors



# DC700G-CO-FT

## Order information



### Door closers

DC700G-CO-FT, including DC700 + A120 for passive leaf, silver, EV1	DC700FT2--DEV1-
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DC700G-CO-FT, including DC700 + A120 for passive leaf, stainless steel design	DC700FT2--D35--
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DC700G-CO-FT, silver



A188



### Guide rails

Guide rail for security door closer, double leaf, with door coordinator, 24 V DC, door width 2500 mm, silver, EV1	DCG-21-70FDEV1-
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Guide rail for security door closer, double leaf, with door coordinator, 24 V DC, door width 2500 mm, stainless steel design	DCG-21-70FD35--
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### Accessories

Spacer / replacement plate set for guide rail G-CO-FT, for narrow rebate doors, 5 mm, door width 2500 mm, silver, EV1	DCFA10-----EV1-
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Spacer / replacement plate set for guide rail G-CO-FT, for wide rebate doors, 15 mm, door width 2500 mm, silver, EV1	DCFA11-----EV1-
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Mounting / replacement plate set for guide rail G-CO-FT, for narrow frames, 5 mm, door width 2500 mm, silver, EV1	DCFA12-----EV1-
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Mounting / replacement plate set for guide rail G-CO-FT, for narrow frames, 15 mm, door width 2500 mm, silver, EV1	DCFA13-----EV1-
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Opening damper A188	DCA188-----
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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

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ASSA ABLOY Opening Solutions EMEIA  
Dukes Court  
Dukes Street  
Woking  
GU21 5BH  
United Kingdom  
[assaabloy.com](http://assaabloy.com)