



DC700G-FM Technical Datasheet

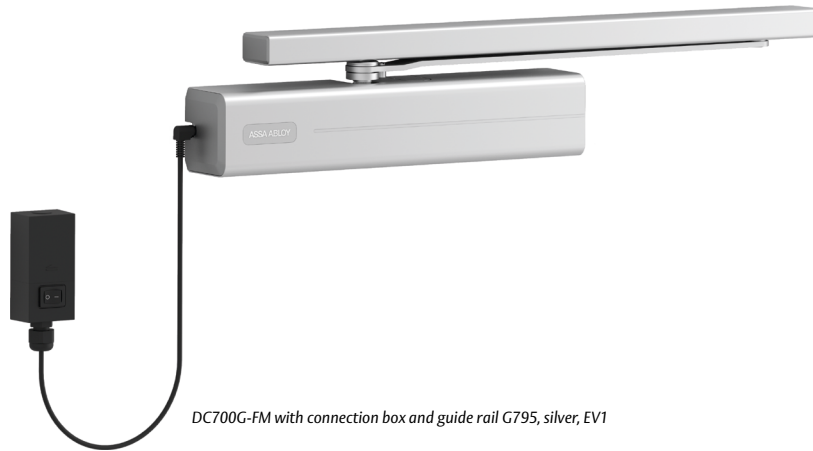
ASSA ABLOY
Opening Solutions

Door closer with Free-Motion technology
for resistance-free door opening

Experience a safer
and more open world

DC700G-FM

Free-Motion door closer with Cam-Motion® technology, free-swing function and guide rail for single leaf doors, size 3-6



DC700G-FM with connection box and guide rail G795, silver, EV1

Free-Motion® technology permits continuous door opening without the resistance of the door closer

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.

Combining Cam-Motion technology with free-swing function, Free-Motion door closers are designed for smooth opening with almost zero force.

- Certified in compliance with EN 1154/1155, size 3-6
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1400 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894
- DIBt tested as a hold-open system with various smoke detector systems

Colours

- Silver, EV1
- White, similar to RAL 9016
- Stainless steel design
- Customized colours on request

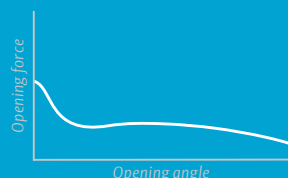
Features

- Rapidly decreasing opening force allows easy and barrier-free initial door opening
- Free-swing function starts from a door opening angle $\geq 0^\circ$ and is active until power supply is switched off
- Height-adjustable, grooved spindle (14 mm) compensates 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 indoor/outdoor temperatures
- Simplified stock management with universal parts and adaptable solutions

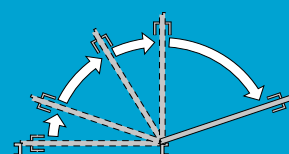
Guide rail and accessories

- **G795** height-adjustable (2 mm) free-swing guide rail with concealed fastening screws
- **A120** mounting plate for doors where direct mounting is not possible
- **A130** mounting plate for guide rail G795
- **A153** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)
- **A189** connection box for leaf mounting
- **1317-10** flush-mounted release button and **1316-10** surface-mounted release button for controlling fail-unlocked components, such as holding magnets and fail-unlocked strikes, and as a manual switch / control for arrester systems
- **RZ100** smoke detector station with integrated power supply and smoke detector to control arrester devices
- **RZ101** ceiling smoke detector

Barrier-free step-by-step activation



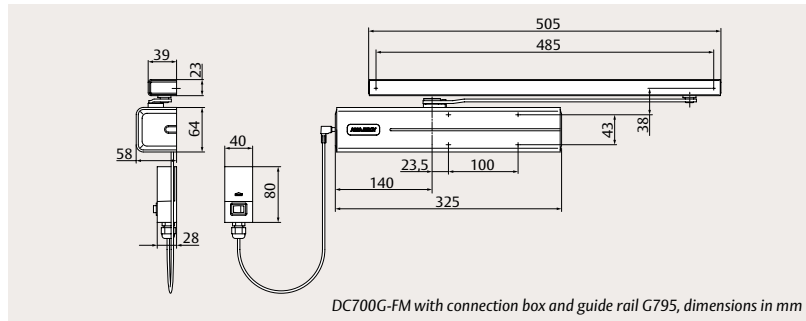
Rapidly decreasing force for first opening



Door can be left open at any angle $\geq 0^\circ$

DC700G-FM

Technical attributes and certification



Technical attributes

Closing force	EN size 3-6
Maximum leaf width	1400 mm
Closing speed (C)	Variable between 170° and 10°
Latch speed (L)	Variable between 10° and 0°
Maximum opening angle	Hinge side ~160° Non-hinge side ~125°
Door system	Single leaf
Handing	Left- / right-handed
Mounting methods	Leaf mounting on hinge side (with connection box) Frame mounting on hinge and non-hinge side (without connection box)
Height-adjustable	Yes
Corrosion resistance	Grade 3 (96 hours)
Dimensions (H x D x L)	64 x 58 x 325 mm
Required power supply	24 V DC
Rated power consumption	~90 mA
Duty cycle	100%



Visit assaabloy.com to
download all relevant
product literature



Certification and testing

Certified in compliance with	EN 1154, EN 1155
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 DIN 18040 (max. leaf width 1250 mm)
Third-party verified EPD	ISO 14025, EN 15804
Protection class	IP 43

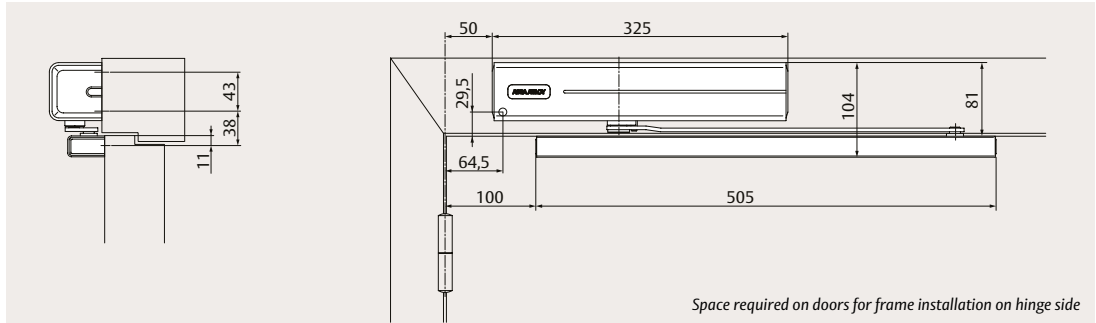


DC700G-FM

Space requirement and mounting dimensions

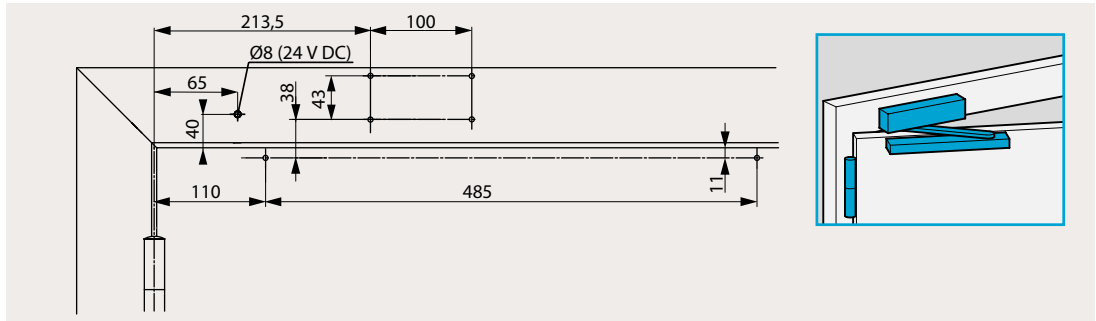


Scan QR code to
watch installation
video



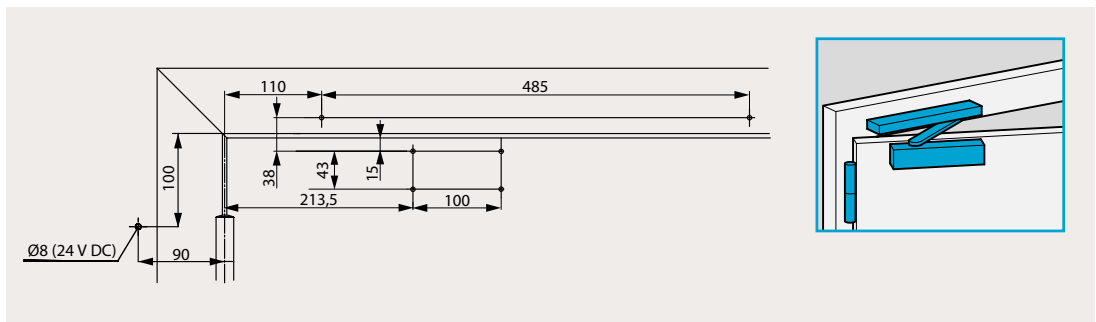
Direct frame mounting on hinge side

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



Direct leaf mounting on hinge side

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



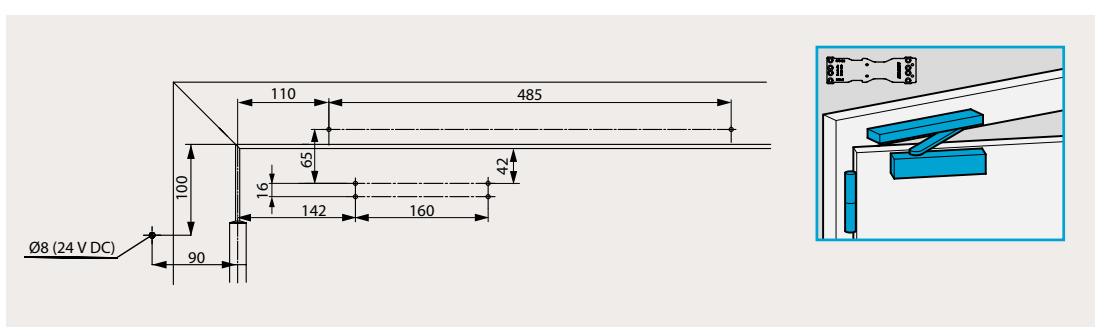
Mounting plate frame mounting on hinge side

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

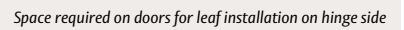


Mounting plate leaf mounting on hinge side

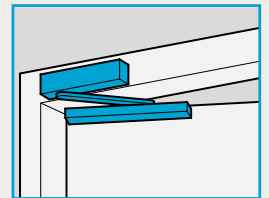
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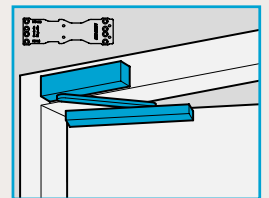
Space requirement, mounting dimensions and accessories



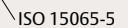
The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



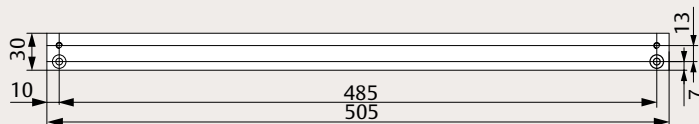
The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



in compliance with
EN 1154, supplement 1,
or for doors where direct
mounting is not possible



for guide rail



DC700G-FM

Order information



Door closers

DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, silver, EV1	DC700FMB--DEV1-
DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, white, similar to RAL 9016	DC700FMB--D9016
DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, stainless steel design	DC700FMB--D35--
DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, customized finish	DC700FMB--DXXXX
DC700G-FM, frame mounting, EN size 3-6, silver, EV1	DC700FM---DEV1-
DC700G-FM, frame mounting, EN size 3-6, white, similar to RAL 9016	DC700FM---D9016
DC700G-FM, frame mounting, EN size 3-6, stainless steel design	DC700FM---D35--
DC700G-FM, frame mounting, EN size 3-6, customized finish	DC700FM---DXXXX

Guide rails

Guide rail G795, silver, EV1	DCG795----DEV1-
Guide rail G795, white, similar to RAL 9016	DCG795----D9016
Guide rail G795, stainless steel	DCG795----D35--
Guide rail G795, customized finish	DCG795----DXXXX

Accessories

Mounting plate A120, galvanized	DCA120-----40
Mounting plate A130, silver, EV1	DCA130----EV1-
Mounting plate A130, white, similar to RAL 9016	DCA130----9016
Mounting plate A130, customized finish	DCA130----XXXX
Mechanical opening damper A153	DCA153-----
Connection box A189	DCA189-----
Interrupter push-button 1316-10, surface-mounted	1316-10-----00
Interrupter push-button 1317-10, flush-mounted	1317-10-----00
Smoke detector station RZ100, silver, EV1	DCRZ100---DEV1-
Smoke detector station RZ100, white, similar to RAL 9016	DCRZ100---D9016
Smoke detector station RZ100, stainless steel design	DCRZ100---D35--
Smoke detector station RZ100, customized finish	DCRZ100---DXXXX
Ceiling mounted smoke detector RZ101/ORS 142 with base, white, similar to RAL 9010	DCRZ101----9010

Silver, EV1



White, similar to RAL 9016



Stainless steel design



G795



A120



A130



A153



A189



1316-10



1317-10



RZ100



RZ101



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Opening Solutions

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