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## CERTIFICATE OF APPROVAL

### No CF 5096

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

**ASSA ABLOY LTD**  
School Street, Willenhall, West Midlands  
WV13 3PW, United Kingdom

Tel: 0845 223 2124

Fax: 0845 223 2125

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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#### CERTIFIED PRODUCT

DC500 SERIES & DC700 SERIES  
SURFACE MOUNTED OVERHEAD  
DOOR CLOSERS

#### TECHNICAL SCHEDULE

TS 34 - The Contribution of  
Controlled Door Closing  
Devices and Accessories to  
Fire Resisting Doorsets

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan  
Certification Manager

Issued: 18<sup>th</sup> October 2012  
Reissued: 3<sup>rd</sup> October 2025  
Valid to: 17<sup>th</sup> October 2029



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- This certification is provided to the client for its own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
- The approval applies to the following configurations:

	Link-arms			Slide arms			
	Projecting arm (Fig. 1) <i>Body door mounted on pull face</i>	Projecting arm (Fig. 61) <i>Body transom mounted on push face</i>	Parallel arm (Fig. 6) <i>Body door mounted on push face</i>	Body door mounted on pull face	Body transom mounted on push face	Body door mounted on push face	Body transom mounted on pull face
<b>DC500</b>	✘	✘	✘	✔	✔	✔	✔
<b>DC700</b>	✘	✘	✘	✔	✔	✔	✔

**Key:** ✔ - approved      ✘ - Not approved

*Note: Where alternative arms for non-fire applications are included within the packaging, the use of these components on fire resisting door assemblies will invalidate the certification.*

- The DC500 Series and DC700 Series are variable power CAM-motion surface mounted overhead mounted door closing devices complying with EN 1154. The closers have an adjustable latch action and optional back-check.
- This approval relates to their use with the following door assemblies:-  
**All closers - Code ITT - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in timber or cellulosic frames.**
- The closer is approved on the basis of:
  - Initial type testing to EN1154 and BS EN 1634-1.
  - An appraisal against TS34
  - Inspection of quality management system
  - Inspection and surveillance of factory production control
  - Ongoing audit testing in accordance with EN 1154 requirements
- The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.



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7. Where the closers are fitted to door leaves or frames that are manufactured from low-density cellulosic-based material, the door assembly shall have previously been shown capable of accommodating the installation of closers at the head of the doorset, without detriment to the door assembly's performance.
8. ITT30 and ITT60 Timber based doorset shall be installed in accordance with BS 8214.
9. All door hardware is subject to the acceptance by the chosen door assembly supplier's tested, assessed or certificated scope, which generally identifies the types of hardware approved; and the required specification/design based on the key materials/ maximum size and the application of any additional intumescent protection.  
  
On this basis approval should be sought from the specific door assembly supplier to ensure compliance based on this assessed/certificated scope.
10. This approval is applicable only to the specified closers when mounted in the applications stated later under the classification codes section of this certificate and used with door assemblies that are CERTIFIRE approved or have achieved the appropriate fire resistance performance when tested at a laboratory accredited to IS/IEC 17025 (under International Laboratory accreditation Cooperation (ILAC) membership), in accordance with BS 476: Part 22: 1987 and/or BS EN 1634:1, and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).
11. The approval relates to ongoing production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

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12. The following tables show acceptable doorsets types and fire resistance periods:

Class	Approved Door Type			
	IMM	MM	ITT	ITM
<b>BS 476-22</b>				
FD20	x	x	✓	x
FD30	x	x	✓	x
FD60	x	x	✓	x
FD90	x	x	✓	x
FD120	x	x	✓	x
FD240	x	x	x	x
<b>EN 1634-1</b>				
Integrity	IMM	MM	ITT	ITM
20	x	x	✓	x
30	x	x	✓	x
60	x	x	✓	x
90	x	x	✓	x
120	x	x	✓	x
240	x	x	x	x
Integrity/insulation	IMM	MM	ITT	ITM
20	x	x	✓	x
30	x	x	✓	x
60	x	x	✓	x
90	x	x	✓	x
120	x	x	✓	x
240	x	x	x	x

**Key:**

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13. Doors are classified as the following types:



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**Code ITT** - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in timber or cellulosic frames.

**Code ITM** - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in steel frames.

**Code MM** - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

**Code IMM** - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals.

Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area. Uninsulated glass shall not be included directly beneath the door closer body.
- The closers may not be fitted to timber doorsets without perimeter intumescent fire seals to the frame rebate or door edge.
- Approved for use with slide arms only.
- Mechanical hold-open option is not approved.
- DC500 and DC700 Series are approved for use with standard G193 and G195 and slide channels.
- The following functions are supported by this certification:

Closer Ref.	Application	Latch Control	Backcheck	Delayed-Action
DC500	Body door mounted on pull face	Yes	Yes	No
DC500	Body transom mounted on push face	Yes	Yes	No
DC500	Body door mounted on push face	No	Yes	No
DC500	Body transom mounted on pull face	No	Yes	No
DC700	Body door mounted on pull face	Yes	Yes	No
DC700	Body transom mounted on push face	Yes	Yes	No
DC700	Body door mounted on push face	No	Yes	No
DC700	Body transom mounted on pull face	No	Yes	No



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#### Classification codes

This approval provides the following classifications for the closers:

DC500 to EN1154 in all configurations, fitted in conjunction with G193 or G195 slide channels:

3	8	1 4	1	1	4
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DC700 to EN1154 in body door mounted pull side, body door mounted push side, and body transom mounted pull side applications, fitted in conjunction with G193 or G195 slide channels:

3	8	3 6	1	1	4
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DC700 to EN1154 in body transom mounted push side applications, fitted in conjunction with G193 or G195 slide channels:

3	8	3 5	1	1	4
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*Note: power ratings shall be appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).*

#### Further information

Further information regarding the details contained in this data sheet may be obtained from ASSA ABLOY Security Solutions (Tel: 0845 223 2124).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777)