
CERTIFICATE OF APPROVAL

No CF 5096

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

ASSA ABLOY

School Street, Willenhall, West Midlands WV13 3PW

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

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 Exova (UK) Limited trading as
Warrington Certification



Paul Duggan
Certification Manager



Issued: 18th October 2012
Reissued: 9th March 2018
Valid to: 20th February 2019

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DC500 SERIES & DC700 SERIES SURFACE MOUNTED OVERHEAD DOOR CLOSERS

1. The DC500 Series and DC700 Series are variable power CAM-motion surface mounted overhead mounted door closing devices complying with EN 1154. The DC700, when fitted in conjunction with the G460 electromechanical hold open slide arm, also complies with the requirements of EN1155. The closers have an adjustable latch action and optional back-check. The approval applies to the following configurations:

	<i>DC500 Series</i>	<i>DC700 Series</i>	<i>G460 slide arm</i>
Link-arms			
Projecting arm (Fig. 1) <i>Body door mounted on pull face</i>	x	x	x
Projecting arm (Fig. 61) <i>Body transom mounted on push face</i>	x	x	x
Parallel arm (Fig. 6) <i>Body door mounted on push face</i>	x	x	x
Slide arms			
Body door mounted on pull face	✓	✓	✓
Body transom mounted on push face	✓	✓	x
Body door mounted on push face	✓	✓	✓
Body transom mounted on pull face	✓	✓	x

Key: ✓ - approved x - 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.

2. This approval relates to their use with the following door assemblies:-
- Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance up to 120 minutes (Code ITT).**
3. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), the Technical Handbooks (Scotland) and Technical Booklet E (N. Ireland). If compliance is required to other

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regulatory or guidance documents there may be additional considerations or conflict to be taken into account.

DC500 SERIES & DC700 SERIES SURFACE MOUNTED OVERHEAD DOOR CLOSERS

4. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), the Technical Handbooks (Scotland) and Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.
5. The closer is approved on the basis of:
 - i) Initial type testing to EN1154, EN1155 and BS EN 1634-1.
 - ii) An appraisal against TS34
 - iii) Inspection of quality management system
 - iv) Inspection and surveillance of factory production control
 - v) Ongoing audit testing in accordance with EN 1154 requirements
6. This approval is applicable only to the specified closers when mounted in the applications stated above and under the classification codes section of this certificate and used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).
7. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
8. Where the closers are fitted to door leaves or frames that are manufactured from mineral composite-based materials, or 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.
9. 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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10. The following table show acceptable doorset types and fire resistance periods:

Class	Approved Door Type				
	IMM	MM	ITT	ITM	ITC
FD20	x	x	✓	x	x
FD30	x	x	✓	x	x
FD60	x	x	✓	x	x
FD90	x	x	✓	x	x
FD120	x	x	✓	x	x
FD240	x	x	x	x	x
E 20	x	x	✓	x	x
EI 20	x	x	✓	x	x
E 30	x	x	✓	x	x
EI 30	x	x	✓	x	x
E 60	x	x	✓	x	x
EI 60	x	x	✓	x	x
E 90	x	x	✓	x	x
EI 90	x	x	✓	x	x
E 120	x	x	✓	x	x
EI 120	x	x	✓	x	x
E 240	x	x	x	x	x
EI 240	x	x	x	x	x

Key:

- ✓ - approved
- x - Not approved

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11. Doors are classified as the following types:

Type MM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

Type IMM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

Type ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

Type ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

Type ITC - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area.
- The closer may not be fitted to timber doorsets without leaf/frame edge intumescent protection.
- Approved for use with slide arms only.
- Mechanical hold-open option is not approved.
- DC500 and DC700 Series are available with a back-check option.
- DC500 and DC700 Series are approved for use with standard G193 and G195 and slide channels, and the G460 electromechanical hold open slide channel.

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

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Classification codes – Continued

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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DC500 to EN1155 in body door mounted pull side and body door mounted push side applications only, when fitted in conjunction with a G460 electromechanical hold open slide channel:

3	8	3 4	1	1	3
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DC700 to EN1155 in body door mounted pull side and body door mounted push side applications only, when fitted in conjunction with a G460 electromechanical hold open slide channel:

3	8	3 6	1	1	3
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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)

