



CERTIFICATE OF APPROVAL

No CF 5312

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

SYNERGY HARDWARE LIMITED

Unit 2 Heath Mill Business Centre, Heath Mill Road, Wombourne
Wolverhampton WV5 8AP, United Kingdom
Tel: 01902 893725

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

Synergy S3000, S3400, S3500
CAM Action and EHO Series, and
S900E HO/SF Surface Mounted
Overhead 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: 25th September 2015
Reissued: 24th August 2026
Valid to: 25th January 2032



EWC-QU-FT-733 (Issue 3)



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1. This approval relates to the following overhead mounted door closing devices and configurations:

	TABLE 1						
	Link-arms			Slide arms			
	Projecting arm (Fig. 1) Body door mounted on pull face	Projecting arm (Fig. 61) Body transom mounted on push face	Parallel arm (Fig. 6) Body door mounted on push face	Body door mounted on pull face	Body transom mounted on push face	Body door mounted on push face	Body transom mounted on pull face
S3001	✗	✗	✗	✓	✓	✗	✗
S3006	✗	✗	✗	✗	✗	✓	✓
S3401	✗	✗	✗	✓	✓	✗	✗
S3406	✗	✗	✗	✗	✗	✓	✓
S3501	✗	✗	✗	✓	✓	✗	✗
S3506	✗	✗	✗	✗	✗	✓	✓
S3001.EHO	✗	✗	✗	✓	✗	✗	✗
S3006.EHO	✗	✗	✗	✗	✗	✓	✗
S3401.EHO	✗	✗	✗	✓	✗	✗	✗
S3406.EHO	✗	✗	✗	✗	✗	✓	✗
S3501.EHO	✗	✗	✗	✓	✗	✗	✗
S3506.EHO	✗	✗	✗	✗	✗	✓	✗
S900E	✓	✗	✓	✗	✗	✗	✗

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.

2. This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
3. This approval relates to their use with the following door assemblies: -

All closers - Code ITT - 20 minute to 120 minute 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.



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4. The closers are approved on the basis of:
- i) Initial type testing to BS EN 1154 and BS EN 1634-1
 - ii) An appraisal against TS34
 - iii) Certification of quality management system.
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with EN 1154 requirements
5. 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 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).
6. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
7. Where the closer body is transom mounted the closer shall be fitted directly to the frame head, and the frame head shall be increased in height to accommodate the full closer body.
8. 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.
9. ITT30 and ITT60 Timber based doorset shall be installed in accordance with BS 8214.
10. 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.
11. 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).
12. 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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13. The following table shows acceptable doorset types and fire resistance periods for the surface mounted closers:

Class	Approved Door Type			
	IMM	MM	ITT	ITM
BS 476-22				
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
EN 1634-1				
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:

- ✓ - approved
x - Not approved



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14. Doors are classified as the following types:

Code ITT - 20 minute to 120 minute 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 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.
- Mechanical Hold open option is not approved
- The use of the S3406AB angle bracket is approved for use with 'body door mounted on push face' variants of the S3006, S3406 and S3506 closers.
- The following functions are supported by this certification:

TABLE 3				
Closer Ref.	Application	Latch Control	Backcheck	Delayed-Action
S3001	All applications detailed in Table 1	Yes	No	No
S3006	All applications detailed in Table 1	Yes	No	No
S3401	All applications detailed in Table 1	Yes	Yes	No
S3406	All applications detailed in Table 1	Yes	Yes	No
S3501	Body door mounted on pull face	Yes	Yes	Yes
S3501	Body transom mounted on push face	Yes	No	No
S3506	All applications detailed in Table 1	Yes	Yes	Yes
S3001.EHO	Body door mounted on pull face	Yes*	No	No
S3006.EHO	Body door mounted on push face	Yes*	No	No
S3401.EHO	Body door mounted on pull face	Yes*	Yes*	No
S3406.EHO	Body door mounted on push face	Yes*	Yes*	No
S3501.EHO	Body door mounted on pull face	Yes*	Yes*	Yes*
S3506.EHO	Body door mounted on push face	Yes*	Yes*	Yes*
S900E	Body door mounted on pull face	Yes*	Yes*	Yes*
S900E	Parallel arm	Yes*	Yes*	Yes*

*Based on previous successful EN1154 testing



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Classification codes:

S3001 Body door mounted on pull face (EN1154):

4	8	3	1	1	3
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S3001 Body transom mounted on push face (EN1154):

3	8	3	1	1	3
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S3006 Body door mounted on push face (EN1154):

3	8	3	1	1	3
---	---	---	---	---	---

S3006 Body transom mounted on pull face (EN1154):

4	8	3	1	1	3
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S3401 Body door mounted on pull face (EN1154):

4	8	4 2	1	1	3
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S3401 Body transom mounted on push face (EN1154):

3	8	4 2	1	1	3
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S3406 Body door mounted on push face (EN1154):

3	8	4 2	1	1	3
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S3406 Body transom mounted on pull face (EN1154):

4	8	4 2	1	1	3
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S3501 Body door mounted on pull face (EN1154):

4	8	5 2	1	1	3
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S3501 Body transom mounted on push face (EN1154):

3	8	5 2	1	1	3
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S3506 Body door mounted on push face (EN1154):

3	8	5 2	1	1	3
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S3506 Body transom mounted on pull face (EN1154):

4	8	5 2	1	1	3
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S3001.EHO and S3006.EHO (EN1155):

3	8	3	1	1	3
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S3401.EHO and S3406.EHO (EN1155):

3	8	4 2	1	1	3
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S3501.EHO and S3506.EHO (EN1155):

3	8	5 2	1	1	3
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S900E Projecting arm Figure 1 application (EN1155):

3	8	6 3	1	1	3
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S900E parallel arm Figure 6 application (EN1155):

3	8	5 3	1	1	3
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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 certificate may be obtained from Synergy Hardware Limited (Tel: 01902 893725).

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