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CERTIFICATE OF APPROVAL
No CF 5294

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	TECHNICAL SCHEDULE
Synergy S100, S150, S300, S500, S600, S700, S800 and S900 Surface Mounted Overhead Door Closers	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: 29th September 2015
Reissued: 23rd October 2026
Valid to: 28th September 2031

EWC-QU-FT-731 (Issue 3)

This certificate is the property of Warringtonfire Testing and Certification Limited
Registered in England and Wales
Registered Office: 3rd Floor, Davidson Building, 5 Southampton Street, London, WC2E 7HA. Company Registration No: 11371436

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1. 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.

2. This approval applies to the Synergy rack and pinion overhead door closer models, but excludes any mechanical hold open variants. The approval applies to the following models 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
S100	✓	✗	✓	✗	✗	✗	✗
S150	✓	✗	✓	✗	✗	✗	✗
S300	✓	✓	✓	✗	✗	✗	✗
S500	✓	✓	✓	✗	✗	✗	✗
S600	✓	✓	✓	✗	✗	✗	✗
S700	✗	✗	✗	✓	✓	✗	✓
S800	✓	✗	✓	✗	✗	✗	✗
S900	✓	✗	✓	✗	✗	✗	✗

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.

3. This approval relates to their use with the following door assemblies: -

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.

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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 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).

6. 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.

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. ITT30 and ITT60 Timber based doorset shall be installed in accordance with BS 8214.

10. The approval relates to on-going production. The product and/or its immediate packaging are 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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11. The following table show acceptable doorset types and fire resistance periods:

	Table 2			
	Approved Door Type			
Class	**IMM**	**MM**	**ITT**	**ITM**
BS476-22				
20	✗	✗	✓	✗
30	✗	✗	✓	✗
60	✗	✗	✓	✗
90	✗	✗	✓	✗
120	✗	✗	✓	✗
240	✗	✗	✗	✗
EN1634-1				
Integrity	**IMM**	**MM**	**ITT**	**ITM**
20	✗	✗	✓	✗
30	✗	✗	✓	✗
60	✗	✗	✓	✗
90	✗	✗	✓	✗
120	✗	✗	✓	✗
240	✗	✗	✗	✗
Integrity/insulation	**IMM**	**MM**	**ITT**	**ITM**
20	✗	✗	✓	✗
30	✗	✗	✓	✗
60	✗	✗	✓	✗
90	✗	✗	✓	✗
120	✗	✗	✓	✗
240	✗	✗	✗	✗

Key:

✓ - approved

✗ - Not approved

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12. Doors are categorised as the following types:

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 door assemblies consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

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

Scope of Approval:

- The closers may not be fitted to timber doorsets without perimeter intumescent fire seals to the frame rebate or door edge.
- Doors may not include uninsulated glass above 20% of their total area. Uninsulated glass shall not be included directly beneath the door closer body
- All closer models are only approved in the fitting applications detailed with their classification codes.
- Steel or Stainless Steel arm options are approved for the fitting applications detailed in the classification codes.
- Standard arm brackets only are approved.
- Hold open option is not approved.

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- The following functions are supported by this certification:

Table 3				
Closer Ref.	**Application**	**Latch Control**	**Backcheck**	**Delayed-Action**
S100	Projecting arm (Fig. 1)	Yes	Yes	No
S100	Parallel arm (Fig. 6)	No	No	No
S150	Projecting arm (Fig. 1)	Yes	Yes	No
S150	Parallel arm (Fig. 6)	No	No	No
S300	Projecting arm (Fig. 1)	Yes	Yes	No
S300	Projecting arm (Fig. 61) transom mounted	Yes	No	No
S300	Parallel arm (Fig. 6)	No	No	No
S500	Projecting arm (Fig. 1)	Yes	Yes	No
S500	Parallel arm (Fig. 6)	No	No	No
S500	Projecting arm (Fig. 61) transom mounted	Yes	No	No
S600	Projecting arm (Fig. 1) & Projecting arm (Fig. 61) transom mounted	Yes	Yes	No
S600	Parallel arm (Fig. 6)	No	Yes	No
S700	All approved configurations	Yes	Yes	No
S800	Projecting arm (Fig. 1)	Yes	Yes	No
S800	Parallel arm (Fig. 6)	No	Yes	No
S900	Projecting arm (Fig. 1)	Yes	Yes	No
S900	Parallel arm (Fig. 6)	Yes	Yes	No

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EN1154 Classification codes:

S100 and S150 in Figure 1 projecting arm application:

3	8	4 2	1	1	3

S100 and S150 in Figure 6 parallel arm application:

3	8	3	1	1	3

S300 in Figure 1 projecting arm & projecting arm (Fig. 61) transom mounted application:

3	8	4 2	1	1	3

S300 in Figure 6 parallel arm application:

3	8	3	1	1	3

S500 in Figure 1 projecting arm and Figure 6 parallel arm applications:

3	8	4 2	1	1	4

S500 in projecting arm (Fig. 61) transom mounted application:

3	8	5 1	1	1	4

S600 in Figure 1 projecting arm & projecting arm (Fig. 61) transom mounted application:

4	8	4 2	1	1	3

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EN1154 Classification codes (continued):

S600 in Figure 6 parallel arm application:

3	8	4 3	1	1	3

S700 in slide arm body door mounted on pull face and transom mounted on pull face applications:

4	8	4 2	1	1	3

S700 in slide arm body transom mounted on push face applications:

3	8	4 2	1	1	3

S800 in Figure 1 projecting arm application:

4	8	5 2	1	1	4

S800 in Figure 6 parallel arm application:

3	8	4 3	1	1	4

S900 in Figure 1 projecting arm applications:

4	8	6 2	1	1	3

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S900 in Figure 6 parallel arm applications:

4	8	5 3	1	1	3

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).

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