



CERTIFICATE OF APPROVAL

No CF 860

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

GEZE GmbH

Rein Reinhold-Voster-Straße 21 – 29
71229 Leonberg
Germany
Tel: 01543 443024

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

GEZE Slimdrive EMD-F Overhead
Mounted Powered Door Closing
Devices

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: 21st June 2011
Reissued: 18th March 2023
Valid to: 17th March 2028

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GEZE SLIMDRIVE EMD-F OVERHEAD MOUNTED DOOR CLOSING DEVICES

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 relates to the following overhead mounted powered operator and configurations:

	TABLE 1						
	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
Slimdrive EMD-F	✘	✔	✘	✔	✔	✘	✔

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: -

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).

Latched and unlatched, door assemblies consisting of predominantly steel faced and edged leaves in steel frames, uninsulated and insulated, with or without intumescent sealing, having a fire resistance up to 120 minutes (Codes MM & IMM)

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in uninsulated and insulated steel frames, having a fire resistance up to 120 minutes (Code ITM)



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4. The operators are approved on the basis of:
 - i) Initial type testing to the requirements of DIN 18263-4 and EN1634-1
 - 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 the requirements of DIN 18263-4
5. EN1634-1 was issued originally in 2000, with amended versions issued in 2008, 2014 and 2018. The differences between each version are mainly procedural and are not considered to have a practical impact on the performance of the samples under test. On this basis this evaluation is considered applicable to all versions of EN1634-1 issued prior to the issue of this certificate.
6. The operators shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
7. Where the operators are fitted to door leaves or frames that are manufactured from mineral-based materials, or low-density cellulosic-based material, the door assembly shall have previously been shown capable of accommodating the installation of operators at the head of the doorset, without detriment to the door assembly's performance.
8. This approval is applicable only to the specified operators 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 EN 1634-1:2014+ A1:2018 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 or DIN 18263-4).
9. Various sensor bars are approved for use on both faces of ITT doors of up to 120 minute performance – see 'Scope of Approval'. All the sensor bars are surface mounted and fixed with screws only (no bolting through permitted). Installation includes a maximum 8 mm hole through the face of the door to accommodate a 5 mm diameter cable. ITT60, 90 and 120 applications shall be additionally protected by either Acrylic intumescent mastic, or a graphite intumescent sleeve, both to the full thickness of the door leaf.
10. ITT 30 and 60 minute doorset shall be installed in accordance with BS 8214.
11. The approval relates to on-going production. The 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 table show acceptable doorsets types and fire resistance periods:

Table 2				
	Approved Door Type			
Class	IMM	MM	ITT	ITM
FD20	✓	✓	✓	✓
FD30	✓	✓	✓	✓
FD60	✓	✓	✓	✓
FD120	✓	✓	✓	✓
FD240	x	x	x	x
E 20	x	x	✓	✓
EI 20	✓	✓	✓	✓
E 30	✓	✓	✓	✓
EI 30	✓	✓	✓	✓
E 60	✓	✓	✓	✓
EI 60	✓	✓	✓	✓
E 90	✓	✓	✓	✓
EI 90	✓	✓	✓	✓
E 120	✓	✓	✓	✓
EI 120	✓	✓	✓	✓
E 240	x	x	x	x
EI 240	x	x	x	x

Key:

- ✓ - approved
- x - Not approved

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13. Doors are classified as the following types:

Code ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in timber-based frames.

Code ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in steel frames.

Code MM - 20 minute to 120 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

Code IMM - 20 minute to 120 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 products may not be fitted to timber doorsets without leaf/frame edge intumescent protection.
- Mechanical Hold open option is not approved.
- Operators are approved for use on both the exposed and unexposed face of all doorset types.
- Power size of self-closing (mechanically stored energy in case of electrical power failure):

Configuration	Power size (DIN 18263-4)
Projecting link-arm Body transom mounted on push face	4-6
Slide-arm body transom mounted on push face	4-5
Slide-arm body transom mounted on pull face	4-5
Slide-arm body door mounted on pull face	5



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Scope of Approval – Cont'd:

- The following sensor bars are approved for use on both faces of ITT doors of up to 120 minute performance (see point 9):
 - BEA - 4 Safe on door safety sensor
 - BEA - Flatscan on door safety sensor - LZR Laser
 - BEA - Flatscan 3D on door safety sensor - LZR Laser
 - Optex - OA Edge on door safety sensor
 - Pepperl+Fuchs - SDS201 - Topscan on door safety sensor
 - Hotron - SSS5 on door safety sensor

All the sensor bars are surface mounted and fixed with screws only (no bolting through permitted). Installation includes a maximum 8 mm hole through the face of the door to accommodate a 5 mm diameter cable. ITT60, 90 and 120 applications shall be additionally protected by either Acrylic intumescent mastic, or a graphite intumescent sleeve, both to the full thickness of the door leaf.

Further Information

Further information regarding the details contained in this data sheet may be obtained from GEZE GmbH (Tel: 01543 443024).

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

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