



CERTIFICATE OF APPROVAL

No CF 844

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

dormakaba UK Ltd
Lower Moor Way, Tiverton Business Park, Tiverton,
EX16 6SS United Kingdom
Tel: 01462 477600 Fax: 01462 477601

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
DORMA ED100 and ED250
OVERHEAD DOOR OPERATORS

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: 28th March 2011
Reissued: 27th August 2026
Valid to: 27th August 2027



EWC-QU-FT-733 (Issue 3)





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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. DORMA surface mounted overhead door operators providing a door closing function, all units have adjustable power:

	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
ED100	✗	✓	✗	✗	✓	✗	✗
ED250	✓	✓	✗	✗	✓	✗	✓

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.

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 fully-insulated for the required classification period as defined by EN1634-1 or BS476-22.

Code MM/IMM - 20 to 240 minute door assemblies, fully-insulated for the required classification period as defined by EN1634-1 or BS476-22, consisting of predominantly steel leaves, hung in steel frames without or with intumescent seals.

Code MM/IMM - 20 to 240 minute door assemblies, uninsulated for the required classification period as defined by EN1634-1 or BS476-22, consisting of predominantly steel leaves, hung in steel frames without or with intumescent seals; with closers fitted to the fire risk face only*

****The closer must not be used in this application where a specific direction of fire exposure for the doorset cannot be identified***



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4. The units are approved on the basis of:
- i) Initial type testing to the requirements of EN 1154, DIN 18263-4 and BS EN 1634-1:2014+A1:2018
 - ii) An appraisal against TS34
 - iii) Certification of quality management systems
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with the requirements of EN 1154
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. The approved operators may be fitted to latched or unlatched doorsets or door assemblies.
7. As the operator is fitted directly to the frame head, and the frame head shall be increased in height to accommodate the full operator body.
8. The door operators shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
9. Where the door operators 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.
10. The inclusion of the integral UPS battery is permitted in all applications detailed in Section 3.
11. dormakaba LZR FLATSCAN 3D SW and LZR FLATSCAN SW safety sensors with FDA door adapter are approved for use on both faces of ITT doors of up to 60 minute performance. Installation includes a maximum 7 mm hole through the face of the door to accommodate a 5 mm diameter cable and a minimum 0.6 mm thick Interdens intumescent sheet lining the hole to the full thickness of the door.
12. dormakaba IRS-4 safety sensors (350 mm and 1200 mm) with FDA interface are approved for use on both faces of ITT doors of up to 60 minute performance. Installation includes a maximum 8.5 mm hole through the face of the door to accommodate the 5.25 mm diameter master cable and a maximum 7 mm hole through the face of the door to accommodate the 4.25 mm diameter link cable; both holes are protected by a minimum 0.6 mm thick Interdens intumescent sheet lining the hole to the full thickness of the door.



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13. ITT 30 and 60 minute doorsets shall be installed in accordance with BS 8214.
14. 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, the required specification/design based on the key materials/ maximum size, mounting options, etc. 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
15. 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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16. The following table show acceptable doorsets types and fire resistance periods for the door operators:

Class	Approved Door Type			
	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



- **IMPORTANT** - See Section 3 for limitations on application and scope for steel doors and or frames



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17. 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:

- 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 door operators may not be fitted to doorsets incorporating timber leaves without leaf/frame edge intumescent protection.
- Mechanical Hold open option is not approved.
- The ED100 is approved for use in a slide-arm with the body transom mounted on push face application only.
- The ED250 is approved for use in both a mechanical projecting arm (Fig. 61) with the body transom mounted on push face and a slide-arm with the body transom mounted on push face.
- **IMPORTANT** - See Section 3 for limitations on application and scope for the use of the door operators with steel doors and/or frames
- Operators are approved for use on both sides of fully insulated steel-based doors
- Operators are approved for use on uninsulated steel-based doors and frames on the fire risk face only. The operator must not be used in this application where a specific direction of fire exposure for the doorset cannot be identified



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- The following arms are approved for use with the ED100 and ED250 operators:
 - 29275021 ED 100/250 XEA Slide Channel Set Silver
 - 29271021 ED 100/250 XEA Standard Arm 225mm Silver
 - 29272021 ED 100/250 XEA Standard Arm 500mm Silver
 - 29280059 ED 100/250 XEA Push Arm Heavy Duty Silver
 - 29276021 ED 100/250 XEA CPD Slider Channel Set 30-60mm
 - 29276028 ED 100/250 ED 100/250 XEA Slide Arm Set CPD 250 Silver
 - Arm extension pieces of 60 mm for use with the ED100, and 60 mm or 90 mm for the ED250.
- The inclusion of the integral UPS battery is permitted in all applications detailed in Section 3.
- dormakaba LZR FLATSCAN 3D SW and LZR FLATSCAN SW safety sensors with FDA door adapter and IRS-4 safety sensors (350 mm and 1200 mm) with FDA interface are approved for use on both faces of ITT doors of up to 60 minute performance.

Classification codes

The above approval provides the following performance to DIN 18263-4: 2015-04:

Model	Configuration/location	Power size
ED100	Slide-arm with the body transom mounted on push face	3-4
ED100	Link-arm projecting (Fig. 61) with the body transom mounted on push face	3-4
ED250	Link-arm projecting (Fig. 1) Body door mounted on pull face	7
ED250	Link-arm projecting (Fig. 61) with the body transom mounted on push face	4-6
ED250	Slide-arm with the body transom mounted on push face	4
ED250	Slide-arm with the body transom mounted on pull face	4-6

Further Information

Further information regarding the details contained in this data sheet may be obtained from dormakaba UK Ltd (Tel: 01462 477600).

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