



**Construction Products Regulation 2011
DECLARATION OF PERFORMANCE**

**No. DOP-BDC2224-UKCA
UKCA Certificate of Conformity Number AD8110**

In accordance with construction regulation 2011 (retained EU law 2011/305) as amended by the construction products (Amendment etc.) (EU Exit) Regulations 2019 and the construction products (Amendment etc.) EU Exit) Regulations 2020

1. Unique identification code of the product-type:

TS2-224 Controlled door closing device

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

TS2-224

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

Boss Door Controls Limited, 3&4 Rutherford Square,
Brucefield Industry Park, Livingston, West Lothian
EH54 9BU, United Kingdom

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

N/A

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard.

EN 1154: 1996: A1: 2002/AC:2006

8.1 Notified body

1121 Warrington Certification Ltd

8.2 ID Certificate

1121-CRP-UK-AD8110

9. Declared Performance – Figure 1 Standard Door Mount Pull Side Application

| Essential characteristic Self closing | Performance | Harmonised technical specification |
|---|---|------------------------------------|
| 5.2.1 General | | EN1154:1996:A1:2002 |
| Application | Door-mounted pull side (Fig.1) | |
| 5.2.2 Durability | 500,000 test cycles | |
| 5.2.3 Closing moment | Pass size 2 - 4 | |
| 5.2.4 Opening moment | Pass size 2 - 4 | |
| 5.2.5 Efficiency; | >50% size 2 >55% size 3 >60% size 4 | |
| 5.2.6 Closing time | Pass- After 5K and 500K test cycles, the closing time from an opening angle of 90° was capable of adjustment to 3 s or less, and 20 s or more- After 500K test cycles, the closing time set at 5K test cycles did not increase by more than 100%, or decrease by more than 30%. | |
| 5.2.7 Angles of operation | Grade 4, 180° | |
| 5.2.8 Overload performance | Pass - The closer withstood the closing overload tests | |
| 5.2.9 Temperature dependence | -15°C to +40°C | |
| 5.2.10 Fluid leakage | Pass - There was no leakage of fluid from the closer | |
| 5.2.11 Damage | Pass - There was no damage to the door closing device that would adversely affect its performance to the standard | |
| 5.2.12 Latch control | Pass - Effective over max. range of 15° from closed position, and adjustable | |
| 5.2.13 Backcheck | Pass - Arrested door before 90° open position | |
| 5.2.14 Delayed closing | NA | |
| 5.2.15 Adjustable closing force | Pass - Complies with performance requirements of Clause 5 at both min. and max. power settings claimed | |
| 5.2.16 Zero position (Double action only) | N/A | |
| 5.2.18 Fire / smoke doors | Grade 1: Suitable for use on fire/smoke door assemblies | |
| 5.2.2 Durability | Grade 8 500,000 test cycles | |
| 5.2.17.1 Corrosion | Grade 3 : 96 hrs | |
| 5.2.17.2 Corrosion | Pass - After the salt spray test, the closing moment of the door closer was not less than 80% of that measured prior to the test. | |
| Dangerous Substances Annex ZA3 | The materials in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations. | |

9. Declared Performance – Figure 6 Parallel Arm Push Side Application

| Essential characteristic Self closing | Performance | Harmonised technical specification |
|---|---|------------------------------------|
| 5.2.1 General | | EN1154:1996:A1:2002 |
| Application | Door-mounted push side (Fig.6) | |
| 5.2.2 Durability | 500,000 test cycles | |
| 5.2.3 Closing moment | Pass size 2 - 3 | |
| 5.2.4 Opening moment | Pass size 2 - 3 | |
| 5.2.5 Efficiency; | >50% size 2 >55% size 3 | |
| 5.2.6 Closing time | Pass- After 5K and 500K test cycles, the closing time from an opening angle of 90° was capable of adjustment to 3 s or less, and 20 s or more- After 500K test cycles, the closing time set at 5K test cycles did not increase by more than 100%, or decrease by more than 30%. | |
| 5.2.7 Angles of operation | Grade 3, 105° | |
| 5.2.8 Overload performance | Pass - The closer withstood the closing overload tests | |
| 5.2.9 Temperature dependence | -15°C to +40°C | |
| 5.2.10 Fluid leakage | Pass - There was no leakage of fluid from the closer | |
| 5.2.11 Damage | Pass - There was no damage to the door closing device that would adversely affect its performance to the standard | |
| 5.2.12 Latch control | Pass - Effective over max. range of 15° from closed position, and adjustable | |
| 5.2.13 Backcheck | NA | |
| 5.2.14 Delayed closing | NA | |
| 5.2.15 Adjustable closing force | Pass - Complies with performance requirements of Clause 5 at both min. and max. power settings claimed | |
| 5.2.16 Zero position (Double action only) | N/A | |
| 5.2.18 Fire / smoke doors | Grade 1: Suitable for use on fire/smoke door assemblies | |
| 5.2.2 Durability | Grade 8 500,000 test cycles | |
| 5.2.17.1 Corrosion | Grade 3 : 96 hrs | |
| 5.2.17.2 Corrosion | Pass - After the salt spray test, the closing moment of the door closer was not less than 80% of that measured prior to the test. | |
| Dangerous Substances Annex ZA3 | The materials in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations. | |

9. Declared Performance – Figure 61 Transom Mount Application

| Essential characteristic | Performance | Harmonised technical specification |
|---|---|------------------------------------|
| Self closing | | |
| 5.2.1 General | | EN1154:1996:A1:2002 |
| Application | Transom-mounted push side (Fig.61) | |
| 5.2.2 Durability | 500,000 test cycles | |
| 5.2.3 Closing moment | Pass size 2 - 4 | |
| 5.2.4 Opening moment | Pass size 2 - 4 | |
| 5.2.5 Efficiency; | >50% size 2 >55% size 3 >60% size 4 | |
| 5.2.6 Closing time | Pass- After 5K and 500K test cycles, the closing time from an opening angle of 90° was capable of adjustment to 3 s or less, and 20 s or more- After 500K test cycles, the closing time set at 5K test cycles did not increase by more than 100%, or decrease by more than 30%. | |
| 5.2.7 Angles of operation | Grade 3, 105° | |
| 5.2.8 Overload performance | Pass - The closer withstood the closing overload tests | |
| 5.2.9 Temperature dependence | -15°C to +40°C | |
| 5.2.10 Fluid leakage | Pass - There was no leakage of fluid from the closer | |
| 5.2.11 Damage | Pass - There was no damage to the door closing device that would adversely affect its performance to the standard | |
| 5.2.12 Latch control | N/A | |
| 5.2.13 Backcheck | Pass - Arrested door before 90° open position | |
| 5.2.14 Delayed closing | N/A | |
| 5.2.15 Adjustable closing force | Pass - Complies with performance requirements of Clause 5 at both min. and max. power settings claimed | |
| 5.2.16 Zero position (Double action only) | N/A | |
| 5.2.18 Fire / smoke doors | Grade 1: Suitable for use on fire/smoke door assemblies | |
| 5.2.2 Durability | Grade 8 500,000 test cycles | |
| 5.2.17.1 Corrosion | Grade 3 : 96 hrs | |
| 5.2.17.2 Corrosion | Pass - After the salt spray test, the closing moment of the door closer was not less than 80% of that measured prior to the test. | |
| Dangerous Substances Annex ZA3 | The materials in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations. | |

TS2.224

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.
Signed for and on behalf of the manufacturer by:

Russell Marks

Russell Marks

Managing Director

Date of issue: 09/05/2024

BOSS Door Controls Limited

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