



CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE

DoP No: LAI.DC.020

1. Unique identification code of the product-type:

27 853, 27 854, 27 856, 27 857, 27 93TD and 27 94TD

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

**27 853, 27 854, 27 856, 27 857, 27 93TD and 27 94TD
Single Action Electronic Hold Open/Free Swing Surface Mounted Closer**

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):

**LIDLAW LIMITED
STRAWBERRY LANE, WILLENHALL,
WEST MIDLANDS WV13 3RS,
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. Please give the Notified Body Number

**EN1155: 1997: A1:2002 Notified Body No. 1121 issued the EC Certificate
EN1154: 1996: A1:2002 Notified Body No. 1121 issued the EC Certificate**

8. European Technical Assessment:

N/A

9. Declared performance

Essential characteristic Self Closing	Performance	Harmonised technical Specification
5.1.1 Release from any angle	Pass	EN 1155:1997 A1:2002
5.1.3 Not possible to inhibit the release	Pass	
5.1.4 Supply Voltage	Pass	
5.1.5 External electrical connection	Pass	
5.1.6 Inlet for external wiring	Pass	
5.2.1 General		
5.2.2 Electrical release	Pass – Release within 3 s	
5.2.3 Door closing device EN 1154 requirements	EN1154 (see below 9a & 9b)	
5.2.4 Durability	25k cycles – electrical switched 25k cycles - electrical	
5.2.5 Angle of hold open	Greater than 65°	
5.2.6 Manual release	Excess of 120nm	
5.2.7 Continuous hold open	Pass – movement not more than 2° over 48 hours	
5.2.8 Overload performance	Pass	
5.2.9 Delayed release	Any delay function adjustable to less than 30 s	
5.2.10 Electrical performance	5.2.7 and 5.2.9 verified at +/- 15% rated voltage	
5.1.11 Temperature rise	At 15% rated voltage, operating coils/windings not more than 50°; terminals and exposed surfaces not more than 25 °	
5.1.12 Damage	Pass	
5.1.13 Fire/smoke doors	Grade 1	
Essential characteristic Durability of Self closing	Performance	Harmonised technical specification
5.2.14.1 Corrosion	Grade 3: 96 hours	EN 1155:1997 A1:2002
5.2.14.2 Corrosion	Pass	
Dangerous Substances Annex ZA3	The materials in the products(s) do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.	

9A. Declared performance (EN 1154:1996:A1:2002) Fig 1 Application

Essential characteristic Self Closing	Performance	Harmonised technical Specification
5.2.1. General		EN 1154:1996:A1:2002
Application (o/hd door closer)	Door Mount Pull Side (Fig 1)	
5.2.2. Durability	500,000 test cycles	
5.2.3. Closing moment	Pass Size 3-4	
5.2.4. Opening moment	Pass Size 3-4	
5.2.5. Efficiency	More than 60% size 4 More than 55% size 3	
5.2.6. Closing time	Pass	
5.2.7. Angles of operation	Grade 4, 180°C	
5.2.8. Overload performance	Pass	
5.2.9. Temperature dependence	-15°C to + 40°C	
5.2.10. Fluid leakage	Pass	
5.2.11. Damage	Pass	
5.1.12 Latch control	Pass	
5.1.13. Backcheck	N/A	
5.1.14 Delayed closing	N/A	
5.1.15. Adj closing force	N/A	
5.1.16. Zero position (double action only)	N/A	
5.1.18 Fire/smoke doors	Pass see other documents for details	
Essential characteristic Durability of Self closing	Performance	Harmonised technical specification
5.2.2. Durability	500,000 test cycles	
5.2.17.1 Corrosion	Grade 3	
5.2.17.2. Corrosion	Pass	
Dangerous Substances Annex ZA3	The materials in the products(s) do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.	

9B. Declared performance (EN 1154:1996:A1:2002) Fig 6 Application

Essential characteristic Self Closing	Performance	Harmonised technical Specification
5.2.1. General		EN 1154:1996:A1:2002
Application (o/hd door closer	Door Mount Push Side (Fig 6/66)	
5.2.2. Durability	500,000 test cycles	
5.2.3. Closing moment	Pass Size 3	
5.2.4. Opening moment	Pass Size 3	
5.2.5. Efficiency	More than 55% size 3	
5.2.6. Closing time	Pass	
5.2.7. Angles of operation	Grade 3, 110°C	
5.2.8. Overload performance	Pass	
5.2.9. Temperature dependence	-15°C to + 40°C	
5.2.10. Fluid leakage	Pass	
5.2.11. Damage	Pass	
5.1.12 Latch control	Pass	
5.1.13. Backcheck	N/A	
5.1.14 Delayed closing	N/A	
5.1.15. Adj closing force	N/A	
5.1.16. Zero position (double action only)	N/A	
5.1.18 Fire/smoke doors	Pass see other documents for details	
Essential characteristic Durability of Self closing	Performance	Harmonised technical specification
5.2.2. Durability	500,000 test cycles	
5.2.17.1 Corrosion	Grade 3	
5.2.17.2. Corrosion	Pass	
Dangerous Substances Annex ZA3	The materials in the products(s) do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.	

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 manufacture identified in point 4.

Signed for and on behalf of the manufacturer by:

Mr Steve Lee
 Chief Executive Officer
 Date of issue: 01/03/2018
 Strawberry Lane
 Wolverhampton, West Midlands WV13 3RS
 United Kingdom

