

### 1. Unique identification code of the product-type:

Electromechanical lock according to EN 14846:2008

Panic exit devices, for use on escape routes according to EN 1125:2008

Emergency exit device, for use on escape routes according to EN 179:2008

Lock model 509NE0 in all variants

### 2. Intended use/s:

Electromechanical lock for use on fire and smoke protection doors according to EN 14846:2008

Panic exit devices operated by a horizontal bar, for use on escape routes according to EN 1125:2008

Emergency exit device operated by a lever handle or push pad, for use on escape routes according to EN 179:2008

### 3. Manufacturer:

ASSA ABLOY  
Sicherheitstechnik GmbH  
Bildstockstraße 20  
72458 Albstadt  
GERMANY

### 4. Authorised representative:

N/A

### 5. System/s of AVCP:

System 1 according to EN 14846:2008

System 1 according to EN 1125:2008

System 1 according to EN 179:2008

### 6.a Harmonised standard:

| Notified body                                                   | Harmonised standard | Certificate of Constancy of performance |
|-----------------------------------------------------------------|---------------------|-----------------------------------------|
| MPA NRW, Marsbruchstraße 186; D-44287 Dortmund, identifier:0432 | EN 14846:2008       | 0432-CPR-00007-35 (V02)                 |
| MPA NRW, Marsbruchstraße 186; D-44287 Dortmund, identifier:0432 | EN 1125:2008        | 0432-CPR-00007-15 (V05)                 |
| MPA NRW, Marsbruchstraße 186; D-44287 Dortmund, identifier:0432 | EN 179:2008         | 0432-CPR-00007-14 (V04)                 |

The product is covered by other EC-directives:

| Document                                                                                             | Identification | Date       |
|------------------------------------------------------------------------------------------------------|----------------|------------|
| EU-Declaration of Conformity<br>(ASSA ABLOY Sicherheitstechnik GmbH, Bildstock 20, D-72458 Albstadt) | DoC-5X9NEX.02  | 05.06.2020 |

## 6.b European Assessment Document:

N/A

## 7. Declared performance/s:

Declared performance according to EN 14846:2008

| Essential characteristics                                                             | Requirement clauses<br>EN 14846:2008      | Product performance                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Self-closing ability                                                                  | 5.4. Door mass and closing force, Annex A | passed, (see classification key (3*) with door (mass 300 kg))                                                                                                                                       |
| Durability of self-closing action                                                     | 5.3. Durability of latch action           | passed, (see classification key (2*))                                                                                                                                                               |
| Ability to maintain door in closed position, and not contribute to the spread of fire | 5.5 Fire test according to EN 1634-1      | passed, (see classification key (4*))                                                                                                                                                               |
| Dangerous substances                                                                  | 5.1.2 Note 1 Annex ZA.1                   | The materials used in this 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 |

Classification key according to EN 14846:2008

| Position | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8    | 9    |  |  |
|----------|-----|-----|-----|-----|-----|-----|-----|------|------|--|--|
| Section  | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 4.10 | 4.11 |  |  |
| Class    | 3   | S   | 6   | C   | -   | L   | 6   | 1    | 3    |  |  |

| Pos. | Essential characteristics                                                                                                                                                                                                       | Class – Performance |                                                                                                                      |                |                   |                              |                              |                            |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------|----------------|-------------------|------------------------------|------------------------------|----------------------------|
| 1    | Category of use                                                                                                                                                                                                                 | 3                   | For use by the public where there is little incentive to exercise for care an where there is a high chance of misuse |                |                   |                              |                              |                            |
| 2    | Durability and load on latch bolt                                                                                                                                                                                               |                     | test cycles                                                                                                          |                |                   | load on latch bolt [N]       |                              |                            |
|      |                                                                                                                                                                                                                                 | S                   | 200.000                                                                                                              |                |                   | 50                           |                              |                            |
| 3    | Door mass and closing force                                                                                                                                                                                                     |                     | door mass [kg]                                                                                                       |                |                   | closing force [N]            |                              |                            |
|      |                                                                                                                                                                                                                                 | 6                   | > 200 (≤ 300)                                                                                                        |                |                   | 25                           |                              |                            |
| 4    | Suitability for use on fire and smoke doors                                                                                                                                                                                     |                     | use                                                                                                                  |                |                   |                              |                              |                            |
|      |                                                                                                                                                                                                                                 | C                   | suitable for use on smoke/fire door assemblies:<br>with a classification time of 30 min                              |                |                   |                              |                              |                            |
| 5    | Safety                                                                                                                                                                                                                          | 0                   | No safety requirement                                                                                                |                |                   |                              |                              |                            |
| 6    | Environmental conditions                                                                                                                                                                                                        |                     | corrosion resistance [h]                                                                                             |                | temperature [°C]  |                              | humidity                     |                            |
|      | Corrosion resistance in accordance with EN 1670:2007<br>Resistance to a range of temperatures in accordance with EN 60068-2-1:2007 and EN 60068-2-2:2007<br>Resistance to cyclic humidity in accordance with EN 60068-2-30:2005 | L                   | 96                                                                                                                   |                | -25 to +70        |                              | Level 2                      |                            |
| 7    | Security (burglary resistance)                                                                                                                                                                                                  | 6                   | Very high security no drill resistance                                                                               |                |                   |                              |                              |                            |
| 8    | Security- electrical function                                                                                                                                                                                                   | 1                   | Status indicator according to 5.9 EN 14846:2008                                                                      |                |                   |                              |                              |                            |
| 9    | Security- electrical manipulation                                                                                                                                                                                               | 3                   | Protection against effect of                                                                                         |                |                   | Resistance to                | Resistance to (EN 61000-4-2) |                            |
|      |                                                                                                                                                                                                                                 |                     | Voltage drop                                                                                                         | Cutting cables | Wire manipulation | Electromagnetic manipulation | Electrostatic discharge      | Electrostatic manipulation |
|      |                                                                                                                                                                                                                                 |                     | yes                                                                                                                  | yes            | yes               | yes                          | Level 4                      | Level 4                    |

| Essential characteristics                                                                                        | Requirement clauses<br>EN 1125:2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Product performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ability to release<br>(for doors on escape routes)                                                               | 4.1.2 Release function<br>4.1.3 Panic exit device mounting<br>4.1.5 Exposed edges and corners<br>4.1.7 Double door set<br>4.1.9 Bar installation<br>4.1.10 Bar length<br>4.1.11 Bar projection<br>4.1.12 Bar end<br>4.1.13 Operating bar face<br>4.1.14 Test rod<br>4.1.15 Door face gap<br>4.1.16 Accessible gap<br>4.1.17 Door free movement<br>4.1.18 Top vertical bolt<br>4.1.19 Cover for vertical rods<br>4.1.20 Keepers dimensions<br>4.1.21 Keepers dimensions<br>4.1.23 Door mass and dimensions<br><br>4.1.24 Outside access device<br>4.2.2 Release force<br>Release force under pressure<br>4.2.7 Security requirement | passed, ( $\leq 1$ second)<br>passed<br>passed, ( $\geq 0.5$ mm)<br>not applicable<br>passed, ( $Z \leq 150$ mm)<br>passed, ( $\geq 60\%$ )<br>passed, (see classification key (8*))<br>passed<br>passed, ( $V \geq 18$ mm)<br>passed<br>passed, ( $R \geq 25$ m)<br>passed, (test specimens 20 mm)<br>passed<br>not applicable<br>not applicable<br>passed<br>not applicable<br>passed;<br>(Weight $\geq 200$ kg / Width $\leq 1500$ mm / Height $\leq 3500$ mm)<br>passed<br>passed, ( $\leq 80$ N)<br>passed, ( $\leq 220$ N)<br>passed, (see classification key (7*)) |
| Durability of ability to release<br>(for doors on escape routes)                                                 | 4.1.4 Corrosion resistance<br>4.1.6 Temperature range<br>4.1.19 Covers for vertical rods<br>4.1.22 Lubrication<br>4.2.3 Re-engagement force<br>4.2.4 Durability<br>4.2.5 Abuse resistance- horizontal bar<br>4.2.6 Abuse resistance- vertical rod<br>4.2.8 Final examination<br>Release force<br>Release force under pressure                                                                                                                                                                                                                                                                                                      | passed, (see classification key (6*))<br>passed, (50% threshold)<br>not applicable<br>passed<br>passed, ( $\leq 50$ N)<br>passed, (see classification key (2*))<br>passed, (500N /1000N)<br>not applicable<br><br>passed, ( $\leq 80$ N)<br>passed, ( $\leq 220$ N)                                                                                                                                                                                                                                                                                                       |
| Self-closing ability C<br>(for fire/smoke doors on escape routes )                                               | 4.2.3 Re-engagement force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | passed, ( $\leq 50$ N)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Durability of self-closing ability C<br>against aging and degradation<br>(for fire/smoke doors on escape routes) | 4.2.4 Durability<br>4.2.3 Re-engagement force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | passed, (see classification key (2*))<br>passed, ( $\leq 50$ N)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Resistance to fire E (integrity)<br>and I (insulation) (for fire doors on<br>escape routes)                      | 4.1.8 Proofed by fire test according EN 1634-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | passed, (see classification key (4*))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dangerous substances                                                                                             | 4.1.25 Note 1 Annex ZA.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The materials used in this 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                                                                                                                                                                                                                                                                                                                                                                       |

Classification key according to EN 1125:2008

| Position | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10   |  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|
| Section  | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 7.10 |  |
| Class    | 3   | 7   | 7   | B   | 1   | 3   | 2   | 2   | A/B | B    |  |

| Pos. | Essential characteristics                 | Class – Performance |                                                                                                                                              |
|------|-------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Category of use                           | 3                   | High frequency of use where there is little incentive to exercise care                                                                       |
| 2    | Durability                                |                     | test cycles                                                                                                                                  |
|      |                                           | 7                   | 200.000                                                                                                                                      |
| 3    | Door mass                                 |                     | door mass [kg]                                                                                                                               |
|      |                                           | 7                   | > 200 ( $\leq$ 300)                                                                                                                          |
| 4    | Suitability for use on fire / smoke doors |                     | use                                                                                                                                          |
|      |                                           | B                   | Suitable for use on fire and smoke door assemblies                                                                                           |
| 5    | Security (personal protection)            | 1                   | All panic exit devices have a critical safety function, therefore only the top grade is identified for the purpose of this European Standard |
| 6    | Corrosion resistance                      |                     | Corrosions resistance                                                                                                                        |
|      |                                           | 3                   | High corrosion resistance                                                                                                                    |
| 7    | Security (burglary resistance)            |                     | test load [N]                                                                                                                                |
|      |                                           | 2                   | 1000                                                                                                                                         |
| 8    | Projection of operating element           |                     | Projection of operating element [mm]                                                                                                         |
|      |                                           | 2                   | $\leq$ 100                                                                                                                                   |
| 9    | Type of horizontal bar operation          |                     | Type of operation                                                                                                                            |
|      |                                           | A<br>B              | push bar operation<br>touch bar operation                                                                                                    |
| 10   | Field of door application                 |                     | Field of door application                                                                                                                    |
|      |                                           | B                   | single door only                                                                                                                             |

| Essential characteristics                                                                                        | Requirement clauses<br>EN 179:2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Product performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ability to release<br>(for doors on escape routes)                                                               | 4.1.2 Release function<br>4.1.3 Release operation<br>4.1.4 Lever handle design<br>4.1.5 Push pad design<br>4.1.6 Double door set<br>4.1.8 Exposed edges and corners<br>4.1.11 Push pad installation<br>4.1.12 Lever handle installation<br>4.1.13 Operating element projection<br>4.1.14 Operating element face<br>4.1.15 Lever handle free end<br>4.1.16 Lever handle operating gap<br>4.1.17 Push pad operating gap<br>4.1.18 Test rod<br>4.1.19 Push pad release operation<br>4.1.20 Accessible gap<br>4.1.21 Door free movement<br>4.1.22 Top vertical bolt<br>4.1.24 Keepers<br>4.1.25 Keepers dimensions<br>4.1.27 Door mass and dimensions<br><br>4.1.28 Outside access device<br>4.2.2 Release force lever handle<br>Release force push pad<br>4.2.7 Security requirements | passed, ( $\leq 1$ second)<br>passed<br>passed<br>not applicable<br>not applicable<br>passed, ( $\geq 0.5$ mm)<br>not applicable<br>passed, ( $X \geq 120$ mm, $Z \leq 150$ mm)<br>passed, (see classification key (8*))<br>passed, ( $V \geq 18$ mm type A / $V \geq 1400$ mm <sup>2</sup> type B)<br>passed, ( $U \geq 40$ mm, $W \leq 100$ mm, $\alpha \leq 30^\circ$ )<br>passed<br>not applicable<br>passed<br>not applicable<br>passed, (test rod 20 mm)<br>passed<br>not applicable<br>passed<br>not applicable<br>passed;<br>(Weight $\leq 200$ kg / width $\leq 1500$ mm / height $\leq 3500$ mm)<br>passed<br>passed, ( $\leq 70$ N)<br>not applicable<br>passed, (see classification key (7*)) |
| Durability of ability to release<br>against aging and degradation<br>(for doors on escape routes)                | 4.1.7 Corrosion resistance<br>4.1.9 Temperature range<br>4.1.23 Cover for vertical rod<br>4.1.26 Lubrication<br>4.2.3 Re-engagement force<br>4.2.4 Durability<br>4.2.5 Abuse resistance-Operating element<br>4.2.6 Abuse resistance-Vertical rod<br>4.2.8 Final examination<br>Release force lever handle<br>Release force push pad                                                                                                                                                                                                                                                                                                                                                                                                                                                | passed, (see classification key (6*))<br>passed, (50% threshold)<br>not applicable<br>passed<br>passed, ( $\leq 50$ N)<br>passed, (see classification key (2*))<br>passed, (500N / 1000N)<br>not applicable<br><br>passed, ( $\leq 70$ N)<br>not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Self-closing ability C<br>(for fire/smoke doors on escape routes)                                                | 4.2.3 Re-engagement force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | passed, ( $\leq 50$ N)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Durability of self-closing ability C<br>against aging and degradation<br>(for fire/smoke doors on escape routes) | 4.2.4 Durability<br>4.2.3 Re-engagement force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | passed, (see classification key (2*))<br>passed, ( $\leq 50$ N)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Resistance to fire E (Integrity)<br>and I (Insulation)<br>(for fire doors on escape routes)                      | 4.1.10 Proofed by fire test according EN 1634-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | passed, (see classification key (4*))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dangerous substances                                                                                             | 4.1.29 Note 1 Annex ZA.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The materials used in this 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

Classification key according to EN 179:2008

| Position | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10   |  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|
| Section  | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 7.10 |  |
| Code     | 3   | 7   | 7   | B   | 1   | 3   | 4   | 2   | A   | B/D  |  |

| Pos. | Essential characteristics                 | Class – Performance |                                                                                                                                                   |
|------|-------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Category of use                           | 3                   | High frequency of use where there is little incentive to exercise care                                                                            |
| 2    | Durability                                |                     | Test cycles                                                                                                                                       |
|      |                                           | 7                   | 200.000                                                                                                                                           |
| 3    | Door mass                                 |                     | Door mass [kg]                                                                                                                                    |
|      |                                           | 7                   | > 200 ( $\leq$ 300)                                                                                                                               |
| 4    | Suitability for use on fire / smoke doors |                     | use                                                                                                                                               |
|      |                                           | B                   | Suitable for use on fire and smoke door assemblies                                                                                                |
| 5    | Security (personal protection)            | 1                   | All emergency exit devices have a critical safety function, therefore only the top grade is identified for the purposes of this European Standard |
| 6    | Corrosion resistance                      |                     | Corrosion resistance                                                                                                                              |
|      |                                           | 3                   | high corrosion resistance                                                                                                                         |
|      |                                           |                     | test time [h]                                                                                                                                     |
|      |                                           |                     | 96                                                                                                                                                |
| 7    | Security (burglary resistance)            |                     | test load [N]                                                                                                                                     |
|      |                                           | 4                   | 3.000                                                                                                                                             |
| 8    | Projection of operating element           |                     | Projection of operating element [mm]                                                                                                              |
|      |                                           | 2                   | $\leq$ 100                                                                                                                                        |
| 9    | Type of operation                         |                     | Type of operation                                                                                                                                 |
|      |                                           | A                   | Lever handle operation                                                                                                                            |
| 10   | Field of door application                 |                     | Field of door application                                                                                                                         |
|      |                                           | B<br>D              | Outward opening single door only<br>Inward opening single door only                                                                               |

## 8. Appropriate Technical Documentation and/or Specific Technical Documentation:

N/A

The performance of the product identified above is in conformity with the set of declared performance/s.  
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Stefan Zintgraf, Chief Technology Officer DACH

At Albstadt on 08.04.2020



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