

Declaration of Performance

ASSA ABLOY

Nr.: DoP-2400-EN179-EN12209-EN.01

1. Unique identification code of the product type:

Emergency exit device according to EN 179:2008

Mechanical lock according to EN 12209:2003/AC:2005

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:

EN 179:2008: Lock types 2424, 2428

EN 12209:2003/AC:2005: Lock types 2420, 2422, 2423, 2424, 2426, 2427, 2428, 2429, 2465, 2466, 2467, 2486 (except IDS versions)

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

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

Mechanical operated lock for use on fire/smoke resisting doors according to EN 12209:2003/AC:2005

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

ASSA ABLOY Nederland B.V.
Postbus 40, 4940 AA Raamsdonksveer
Meerval 3-5, 4941 SK Raamsdonksveer

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

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 according to EN 12209:2003/AC:2005 and EN 179:2008

7. The product is covered by a harmonized standard:

| Notified Body | Harmonized standard | EC-Certificate of Conformity |
|--|-----------------------|-------------------------------|
| SKG-IKOB, Poppenbouwing 56, 4191 NZ Geldermalsen Identifier: 0960 | EN 179:2008 | 0960-CPR-SKG.0116.6512.xx.ENG |
| MPA NRW, Marsbruchstraße 186, D-44287 Dortmund, Identifier: 0432 | EN 12209:2003/AC:2005 | 0432-CPR-00011-10 |

7.1 The product is covered by other EC Directives:

N/A

8. European Technical Assessment:

N/A

9. Declared Performance:

Classification key according to EN 179:2008 for locks 2424 and 2428:

| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|----|
| Section | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 7.10 | |
| Grade | 3 | 7 | 6 | B | 1 | 3 | 4 | 2 | A | B/D | |

| Dig. | Main features | Grade – Performance | |
|------|--------------------------------------|---------------------|--|
| 1 | Category of use | Grade | Performance |
| | | 3 | High frequency use where there is little incentive to exercise care |
| 2 | Durability | Grade | Test cycles |
| | | 6 | 100.000 |
| | | 7 | 200.000 |
| 3 | Door mass | Grade | Door mass |
| | | 5 | ≤ 100 kg |
| | | 6 | ≤ 200kg |
| | | 7 | > 200kg, specified by the manufacturer |
| 4 | Suitable for use on fire/smoke doors | Grade | Use |
| | | 0 | Not approved for use on fire/smoke door assemblies |
| | | A B | Suitable for use on smoke door assemblies Suitable for use on fire and smoke door assemblies |
| 5 | Safety | Grade | Performance |
| | | 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 | Grade | Corrosion resistance |
| | | 3 | High corrosion resistance |
| | | 4 | Very high corrosion resistance |
| | | | Test time |
| | | | 96 h |
| | | | 240 h |
| 7 | Security | Grade | Testing force |
| | | 2 | 1.000 N |
| | | 3 | 2.000 N |
| | | 4 | 3.000 N |
| | | 5 | 5.000 N |
| 8 | Projection of operating element | Grade | Projection |
| | | 1 | 150 mm (large projection) |
| | | 2 | 100mm (standard projection) |
| | | | Grade 1 does not apply to type A operation. |
| 9 | Type of operation | Grade | Operation |
| | | A | “Lever handle” operation |
| | | B | “Push pad” operation |
| 10 | Field of door application | Grade | Door application |
| | | A B | Outwardly opening single & double exit door Outwardly opening single exit door only |

| | | | |
|--|--|---|--|
| | | C D | Outwardly opening double exit door: inactive leaf only Inwardly opening single exit door only |
| | Dangerous substances, paragraph 4.1.22 EN 179:2008 | The materials used in this product shall 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 12209:2003/AC:2005 for lock types 2422, 2424, 2427, 2428:

| | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Section | 4.2.1 | 4.2.2 | 4.2.3 | 4.2.4 | 4.2.5 | 4.2.6 | 4.2.7 | 4.2.8 | 4.2.9 | 4.2.10 | 4.2.11 |
| Grade | 3 | S | 8 | 1 | 0 | F | 4 | B | A | 2 | 0 |

Classification key according to EN 12209:2003/AC:2005 for lock types 2420, 2423 versions with 24 mm wide forend:

| | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Section | 4.2.1 | 4.2.2 | 4.2.3 | 4.2.4 | 4.2.5 | 4.2.6 | 4.2.7 | 4.2.8 | 4.2.9 | 4.2.10 | 4.2.11 |
| Grade | 3 | S | 8 | 1 | 0 | F | 2 | B | A | 2 | 0 |

Classification key according to EN 12209:2003/AC:2005 for lock types 2420, 2423 versions with 20 mm wide forend:

| | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Section | 4.2.1 | 4.2.2 | 4.2.3 | 4.2.4 | 4.2.5 | 4.2.6 | 4.2.7 | 4.2.8 | 4.2.9 | 4.2.10 | 4.2.11 |
| Grade | 3 | S | 8 | 1 | 0 | F | 2 | H | A | 2 | 0 |

Classification key according to EN 12209:2003/AC:2005 for lock types 2465 versions with 24 mm wide forend (except IDS versions):

| | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Section | 4.2.1 | 4.2.2 | 4.2.3 | 4.2.4 | 4.2.5 | 4.2.6 | 4.2.7 | 4.2.8 | 4.2.9 | 4.2.10 | 4.2.11 |
| Grade | 3 | S | 8 | 1 | 0 | F | - | B | G | 2 | 0 |

Classification key according to EN 12209:2003/AC:2005 for lock types 2465 versions with 20 mm wide forend (except IDS versions):

| | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Section | 4.2.1 | 4.2.2 | 4.2.3 | 4.2.4 | 4.2.5 | 4.2.6 | 4.2.7 | 4.2.8 | 4.2.9 | 4.2.10 | 4.2.11 |
| Grade | 3 | S | 8 | 1 | 0 | F | - | H | G | 2 | 0 |

Classification key according to EN 12209:2003/AC:2005 for lock types 2466, 2467, 2426, 2429 versions with 24 mm wide forend (except IDS versions):

| | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Section | 4.2.1 | 4.2.2 | 4.2.3 | 4.2.4 | 4.2.5 | 4.2.6 | 4.2.7 | 4.2.8 | 4.2.9 | 4.2.10 | 4.2.11 |
| Grade | 3 | S | 8 | 1 | 0 | F | - | B | A | 2 | 0 |

Classification key according to EN 12209:2003/AC:2005 for lock types 2466, 2467, 2426, 2429 versions with 20 mm wide forend (except IDS versions):

| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Section | 4.2.1 | 4.2.2 | 4.2.3 | 4.2.4 | 4.2.5 | 4.2.6 | 4.2.7 | 4.2.8 | 4.2.9 | 4.2.10 | 4.2.11 |
| Grade | 3 | S | 8 | 1 | 0 | F | - | H | A | 2 | 0 |

Classification key according to EN 12209:2003/AC:2005 for lock types 2486 version with 24 mm wide forend:

| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Section | 4.2.1 | 4.2.2 | 4.2.3 | 4.2.4 | 4.2.5 | 4.2.6 | 4.2.7 | 4.2.8 | 4.2.9 | 4.2.10 | 4.2.11 |
| Grade | 3 | S | 8 | 1 | 0 | F | 2 | B | A | 2 | 0 |

Classification key according to EN 12209:2003/AC:2005 for lock types 2486 version with 20 mm wide forend:

| Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Section | 4.2.1 | 4.2.2 | 4.2.3 | 4.2.4 | 4.2.5 | 4.2.6 | 4.2.7 | 4.2.8 | 4.2.9 | 4.2.10 | 4.2.11 |
| Grade | 3 | S | 8 | 1 | 0 | F | 2 | H | A | 2 | 0 |

| Dig. | Main features | Grade – Performance | | |
|------|--------------------------------------|---------------------|--|-----------------|
| 1 | Category of use | Grade | Performance | |
| | | 1 | For use by people with a high incentive to exercise care | |
| | | 2 | For use by people with some incentive to exercise care | |
| | | 3 | For use by the public where there is little incentive to exercise care | |
| 2 | Durability and load on latch bolt | Grade | Test cycles | Latch bolt load |
| | | A | 50.000 | none |
| | | B | 100.000 | none |
| | | C | 200.000 | none |
| | | F | 50.000 | 10N |
| | | G | 100.000 | 10N |
| | | H | 200.000 | 10N |
| | | L | 100.000 | 25N |
| | | M | 200.000 | 25N |
| | | R | 100.000 | 50N |
| | | S | 200.000 | 50N |
| | | W | 100.000 | 120N |
| X | 200.000 | 120N | | |
| Y | 200.000 | 250N | | |
| 3 | Door mass and closing force | Grade | Door mass | Closing force |
| | | 1 | ≤ 100 kg | maximum 50N |
| | | 2 | ≤ 200kg | maximum 50N |
| | | 3 | > 200kg or specified by the manufacturer | maximum 50N |
| | | 4 | ≤ 100 kg | maximum 25N |
| | | 5 | ≤ 200kg | maximum 25N |
| | | 6 | > 200kg or specified by the manufacturer | maximum 25N |
| | | 7 | ≤ 100 kg | maximum 15N |
| | | 8 | ≤ 200kg | maximum 15N |
| | | 9 | > 200kg or specified by the manufacturer | maximum 15N |
| 4 | Suitable for use on fire/smoke doors | Grade | Use | |
| | | 0 | Not approved for use on fire/smoke | |

| | | | | | | |
|----|--------------------------------------|---|--|--|--|----------------------|
| | | 1 | resisting door assemblies Suitable for use on fire/smoke resisting door assemblies | | | |
| 5 | Safety | No Safety requirement | | | | |
| 6 | Corrosion resistance and temperature | Grade | Corrosion | Temperature | | |
| | | 0 A B C D E F G | none low resistance moderate resistance high resistance very high resistance moderate resistance high resistance very high resistance | none none none none none -20 °C to +80 °C -20 °C to +80 °C -20 °C to +80 °C | | |
| 7 | Security and drill resistance | Grade | Performance | | | |
| | | 1 2 3 4 5 6 7 | Minimum security, no drill resistance Low security, no drill resistance Medium security, no drill resistance High security, no drill resistance High security, with drill resistance Very high security, no drill resistance Very high security, with drill resistance | | | |
| 8 | Field of door application | Grade | Type | Application 1 | Application 2 | Application 3 |
| | | A B C D E F G H J K L M N P R | Mortice Mortice Mortice Rim Rim Rim Bored lock Mortice Rim Mortice Mortice Rim Rim Mortice Rim | Unrestricted Hinged door Sliding door Unrestricted Hinged door Sliding door Unrestricted Hinged door Hinged door Hinged door Sliding door Hinged door Sliding door Hinged door Hinged door | | Supported Inwards |
| 9 | Key operation and locking | Grade | Key operation | | Locking | |
| | | 0 A B C D E F G H | - Cylinder lock or latch Cylinder lock or latch Cylinder lock or latch Lever lock or latch Lever lock or latch Lever lock or latch Lock or latch without key operation Lock or latch without key operation | | - Manually Automatically Manually with intermediate locking Manually Automatically Manually with intermediate locking Manually Automatically | |
| 10 | Type of spindle operation | Grade | Spindle operation | | | |
| | | 0 1 2 3 4 | Lock or latch without follower Lock or latch for knob or sprung lever handle operation Lock or latch for unsprung lever handle operation Lock or latch for heavy duty unsprung lever handle operation Lock or latch as grade 3, but specified by the manufacturer | | | |
| 11 | Key identification requirement | Grade | Key identification | | | |
| | | 0 A B C D | No requirements Minimum 3 detaining elements Minimum 5 detaining elements Minimum 5 detaining elements, extended number of effective differs Minimum 6 detaining elements | | | |

| | | | |
|--|----------------------|---|--|
| | | E | Minimum 6 detaining elements, extended number of effective differs |
| | | F | Minimum 7 detaining elements |
| | | G | Minimum 7 detaining elements, extended number of effective differs |
| | | H | Minimum 8 detaining elements, extended number of effective differs |
| | Dangerous substances | The materials used in this product shall not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations. | |

10. Responsibility:

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

The 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:

John Ward, Market Region Manager Benelux

Raamsdonksveer, 30-11-2015

(Place & date of issue)

(Signature)

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