Declaration of Performance

No.: DoP-509X.02

ASSA ABLOY

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 509X 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	Harmonized standard	Certificate of Constancy of performance
MPA NRW, Marsbruchstraße 186; D-44287 Dortmund, identifier:0432	EN 14846:2008	0432-CPR-00007-38 (V01)
MPA NRW, Marsbruchstraße 186; D-44287 Dortmund, identifier:0432	EN 14846:2008	0432-CPR-00007-39 (V01)
MPA NRW, Marsbruchstraße 186; D-44287 Dortmund, identifier:0432	EN 1125:2008	0432-CPR-00007-12 (V04)
MPA NRW, Marsbruchstraße 186; D-44287 Dortmund, identifier:0432	EN 179:2008	0432-CPR-00007-11 (V04)

The product is covered by other EC-directives:

Document	Identification	Date
EU-Declaration of Conformity (ASSA ABLOY Sicherheitstechnik GmbH, D-72458 Albstadt)	DoC-509X.01	21.09.2020

6.b European Assessment Document:

N/A

7. Declared performance/s:

Declared performance according to EN 14846:2008

Essential characteristics	Requirement clauses 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 Dangerous substances	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	1		

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: with a classification time of 30 min				
5	Safety	0	No safety requirement				
6	Environmental conditions Corrosion resistance in accordance with EN 1670:2007 Resistance to a range of temperatures in accordance with EN 60068-2-1:2007 and EN 60068-2-2:2007 Resistance to cyclic humidity in accordance with EN 60068-2-30:2005		corrosion resistance [h]	temperature [ºC]	humidity		
		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		Protection against effect of			Resistance to	Resistance to (EN 61000-4-2)
			Voltage drop	Cutting cables	Wire manipulation	Electromagnetic manipulation	Electrostatic discharge	Electrostatic manipulation
		1	—	—	—	—	Level 2	—

Declared performance according to EN 1125:2008

Essential characteristics	Requirement clauses EN 1125:2008	Product performance
Ability to release (for doors on escape routes)	4.1.2 Release function 4.1.3 Panic exit device mounting 4.1.5 Exposed edges and corners 4.1.7 Double door set 4.1.9 Bar installation 4.1.10 Bar length 4.1.11 Bar projection 4.1.12 Bar end 4.1.13 Operating bar face 4.1.14 Test rod 4.1.15 Door face gap 4.1.16 Accessible gap 4.1.17 Door free movement 4.1.18 Top vertical bolt 4.1.19 Cover for vertical rods 4.1.20 Keepers dimensions 4.1.21 Keepers dimensions 4.1.23 Door mass and dimensions 4.1.24 Outside access device 4.2.2 Release force Release force under pressure 4.2.7 Security requirement	passed, (≤ 1 second) passed passed, (≥ 0.5 mm) not applicable passed, (Z ≤ 150 mm) passed, (≥ 60%) passed, (see classification key (8*)) passed passed, (V ≥ 18 mm) passed passed, (R ≥ 25 m passed, (test specimens 20 mm) passed not applicable not applicable passed not applicable passed; (Weight ≥ 200 kg / Width ≤ 1500mm / Height ≤ 2500 mm) passed passed, (≤ 80 N) passed, (≤ 220 N) passed, (see classification key (7*))
Durability of ability to release (for doors on escape routes)	4.1.4 Corrosion resistance 4.1.6 Temperature range 4.1.19 Covers for vertical rods 4.1.22 Lubrication 4.2.3 Re-engagement force 4.2.4 Durability 4.2.5 Abuse resistance- horizontal bar 4.2.6 Abuse resistance- vertical rod 4.2.8 Final examination Release force Release force under pressure	passed, (see classification key (6*)) passed, (50% threshold) not applicable passed passed, (≤ 50N) passed, (see classification key (2*)) passed, (500N /1000N) not applicable passed, (≤ 80 N) passed, (≤ 220 N)
Self closing ability C (for fire/smoke doors on escape routes)	4.2.3 Re-engagement force	passed, (≤ 50N)
Durability of self closing ability C against aging and degradation (for fire/smoke doors on escape routes)	4.2.4 Durability 4.2.3 Re-engagement force	passed, (see classification key (2*)) passed, (≤ 50N)
Resistance to fire E (integrity) and I (insulation) (for fire doors on escape routes)	4.1.8 Proofed by fire test according EN 1634-1	Class B: passed, (see classification key (4*) line 3) Class 0: NPD, (see classification key (4*) line 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	6	B	1	3	2	1 / 2	A	B	
Class	3	7	6	0	1	3	2	2	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]	
		6	≤ 200	
4	Suitability for use on fire / smoke doors		use	
		0 B	Not approved for use on fire / smoke door assemblies Suitable for use on fire and smoke door assemblies Note classification key in the certificate of constancy of performance 0432-CPR-00007-12 V04	
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	test time [h]
		3	High corrosion resistance	96
7	Security (burglary resistance)		test load [N]	
		2	1000	
8	Projection of operating element		Projection of operating element [mm]	
		1 2	≤ 150 ≤ 100	
9	Type of horizontal bar operation		Type of operation	
		A B	push bar operation touch bar operation Note classification key in the certificate of constancy of performance 0432-CPR-00007-12 V04	
10	Field of door application		Field of door application	
		B	single door only	

Declared performance according to EN 179:2008

Essential characteristics	Requirement clauses EN 179:2008	Product performance
Ability to release (for doors on escape routes)	4.1.2 Release function 4.1.3 Release operation 4.1.4 Lever handle design 4.1.5 Push pad design 4.1.6 Double door set 4.1.8 Exposed edges and corners 4.1.11 Push pad installation 4.1.12 Lever handle installation 4.1.13 Operating element projection 4.1.14 Operating element face 4.1.15 Lever handle free end 4.1.16 Lever handle operating gap 4.1.17 Push pad operating gap 4.1.18 Test rod 4.1.19 Push pad release operation 4.1.20 Accessible gap 4.1.21 Door free movement 4.1.22 Top vertical bolt 4.1.24 Keepers 4.1.25 Keepers dimensions 4.1.27 Door mass and dimensions 4.1.28 Outside access device 4.2.2 Release force lever handle Release force push pad 4.2.7 Security requirements	passed, (≤ 1 second) passed passed not applicable not applicable passed, (≥ 0.5 mm) not applicable passed, (X ≥ 120 mm, Z ≤ 150 mm) passed, (see classification key (8*)) passed, (V ≥ 18 mm type A / V ≥ 1400 mm^2 type B) passed, (U ≥ 40 mm, W ≤ 100 mm, α ≤ 30°) passed not applicable passed not applicable passed, (test rod 20 mm) passed not applicable passed not applicable passed; (Weight ≤ 200 kg / width ≤1500mm / height ≤ 2500 mm) passed passed, (≤ 70 N) not applicable passed, (see classification key (7*))
Durability of ability to release against aging and degradation (for doors on escape routes)	4.1.7 Corrosion resistance 4.1.9 Temperature range 4.1.23 Cover for vertical rod 4.1.26 Lubrication 4.2.3 Re-engagement force 4.2.4 Durability 4.2.5 Abuse resistance-Operating element 4.2.6 Abuse resistance-Vertical rod 4.2.8 Final examination Release force lever handle Release force push pad	passed, (see classification key (6*)) passed, (50% threshold) not applicable passed passed, (≤ 50N) passed, (see classification key (2*)) passed, (500N /1000N) not applicable passed, (≤ 70 N) not applicable
Self-closing ability C (for fire/smoke doors on escape routes)	4.2.3 Re-engagement force	passed, (≤ 50N)
Durability of self-closing ability C against aging and degradation (for fire/smoke doors on escape routes)	4.2.4 Durability 4.2.3 Re-engagement force	passed, (see classification key (2*)) passed, (≤ 50N)
Resistance to fire E (Integrity) and I (Insulation) (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	6	B	1	3	5	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]	
		6	≤ 200	
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	test time [h]
		3	high corrosion resistance	96
7	Security (burglary resistance)		test load [N]	
		5	5.000	
8	Projection of operating element		Projection of operating element [mm]	
		2	≤100	
9	Type of operation		Type of operation	
		A	Lever handle operation	
10	Field of door application		Field of door application	
		B D	Outward opening single door only 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 21.09.2020

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