

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-000009-01

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Product(s): Building hardware - Controlled door closing devices - Requirements and test methods (refer to attached appendix for details and conditions)

Placed on the market under the name or trade mark of: ASSA ABLOY KOREA Co., Ltd. Samhwa Precision
Siwha Industrial Complex 2-Na-601 234 Huimanggongwon-ro, Siheung-si, Gyeonggi-do, Korea, 15083

and produced in the manufacturing plant(s): ASSA ABLOY KOREA Co., Ltd. Samhwa Precision
Siwha Industrial Complex 2-Na-601 234 Huimanggongwon-ro, Siheung-si, Gyeonggi-do, Korea, 15083

Intended use: On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors)

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

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

Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances.

This certificate replaces **0359-CPR-000009-03** first issued on **2010-03-10** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

The issued document and statement(s) herein makes reference only to a presumption of conformity in accordance with the CPR Regulations EU 305/2011 (as amended). However, it is the manufacturer's or their authorised representative's sole responsibility to affix the CE logo and, by doing so, confirms full compliance and conformity to all other European mandatory directives and regulations that may also apply.



Signature:

[Handwritten Signature]
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Date: 2019-10-16

Issue: 01

Name:

Dipl.-Ing. Roland Heine

Position: Certification Manager

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Brand: ASSA ABLOY
Model Ref: K33 Series (NSK830.BC, K-633, K633.BC, NSK-633, NSK633.BC, K-733, K733.BC, K-833, K833.BC, NSK-833, NSK833.BC)

Table A1. Mechanical test reports & Product classification for Door Closer from ASSA ABLOY KOREA Co., Ltd. Samhwa Precision

Test Report	Model tested	Product Classification					
		4	8	3	1 ^a	1	4
GZ09110561-1	NSK830.BC	4	8	3	1 ^a	1	4
Evaluated function: Standard arm installation, fixed power size 3, with speed control and latch control, model with "BC" stands for backcheck function							
Model numbers assessed as having similar performance: K-633, K633.BC, NSK-633, NSK633.BC, K-733, K733.BC, K-833, K833.BC, NSK-833, NSK833.BC							

Table A2. Fire test report(s) for Door Closer from ASSA ABLOY KOREA Co., Ltd. Samhwa Precision^b

Test Report	Model tested	Test Method	Fire resistance (minutes)	
			E - Integrity	I - Insulation
AU09104034-1	NSK830.BC	EN 1634-1:2014	60	60
Model numbers assessed as having similar performance: K-633, K633.BC, NSK-633, NSK633.BC, K-733, K733.BC, K-833, K833.BC, NSK-833, NSK833.BC				

Notes.

- Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A2).
- The door closer shall be installed in accordance with the installation instructions for the product(s).

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Table A3. EN 1154 Annex ZA Related Information for Door Closer from ASSA ABLOY KOREA Co., Ltd. Samhwa Precision

Product:	Controlled door closing devices	
Intended use:	On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors) -Standard installation	
Requirement/ characteristic	Standard clause	Result Summary
Self-closing	General (5.2.1)	Grade 4 (closing doors from at least 180° open)
	Closing moment (5.2.3)	Power size 3
	Opening moment (5.2.4)	Power size 3
	Efficiency (5.2.5)	Power size 3: More than 55%
	Closing time (5.2.6)	Pass
	Angles of operation (5.2.7)	Grade 4, 180°
	Overload performance (5.2.8)	Pass
	Temperature dependence (5.2.9)	Pass (-15°C to +40°C)
	Fluid leakage (5.2.10)	Pass
	Damage (5.2.11)	Pass
	Latch control (5.2.12)	Pass
	Backcheck (5.2.13)	Pass for models NSK830.BC, K633.BC, NSK633.BC, K733.BC, K833.BC, NSK833.BC. Others is NPD.
	Delayed closing (5.2.14)	NPD
	Adjustable closing force (5.2.15)	NPD
Zero position (5.2.16)	NPD	
Fire/smoke door suitability (5.2.18), Annex A	Grade 1, Suitable for use on fire/smoke doors (refer to Table A2).	
Durability of self-closing	Durability (5.2.2)	500,000 test cycles
	Corrosion resistance (5.2.2 5.2.17.1, 5.2.17.2)	Grade 4, Neutral Salt Spray (NSS) for 240 hours
Dangerous substances	See Clause ZA.3	No dangerous substances declared for this product/ intended use

END OF DOCUMENT

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