

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-200551-01

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: MASDAR HARDWARE CO.
PO BOX# 42300, RIYADH 11541 BUILDING # 3461, AL MONESIYAH – THUMAMMAH ROAD, RIYADH, SAUDI ARABIA

and produced in the manufacturing plant(s): SG-15462

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 first issued on **2020-04-21** 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construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.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:

Date: 2020-04-21

Name:

Dipl.-Ing. Roland Heine

Issue: 01

Position: Certification Manager



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Brand: LOGIC
Model Ref: LDC-504, LDC-704

Table A1. Mechanical test reports & Product classification for Door Closer from MASDAR HARDWARE CO.

Test Report	Model tested	Product Classification					
GZ12080740-2	504BC	3	8	4	1 ^a	1	3
Model numbers assessed as having same performance: LDC-504, LDC-704							
Evaluated function: Standard arm installation, Fixed Power Size 4, with speed control and latch control							

Table A2. Fire test report(s) for Door Closer from MASDAR HARDWARE CO. ^b

Test Report	Model tested	Test Method	Fire resistance (minutes)	
			E - Integrity	I - Insulation
AU12114027-2	LDC-505BC	EN 1634-1:2014	60	60
Model numbers assessed as having same performance: LDC-504, LDC704				

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 MASDAR HARDWARE CO.

Product:	Controlled door closing devices LDC-504, LDC-704	
Intended use:	On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors) – <Standard arm installation>	
Requirement/ characteristic	Standard clause	Result Summary
Self-closing	General (5.2.1)	Grade 3 (closing doors from at least 105° open)
	Closing moment (5.2.3)	Power size 4
	Opening moment (5.2.4)	Power size 4
	Efficiency (5.2.5)	Power size 4: More than 60%
	Closing time (5.2.6)	Pass
	Angles of operation (5.2.7)	Grade 3, 105°
	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)	NPD
	Delayed closing (5.2.14)	NPD
	Adjustable closing force (5.2.15)	NPD
	Zero position (5.2.16)	NPD
Durability of self-closing	Fire/smoke door suitability (5.2.18), Annex A	Grade 1, Suitable for use on fire/smoke doors (refer to Table A2).
	Durability (5.2.2)	500,000 test cycles
Dangerous substances	Corrosion resistance (5.2.2 5.2.17.1, 5.2.17.2)	Grade 3, Neutral Salt Spray (NSS) for 96 hours
	See Clause ZA.3	No dangerous substances declared for this product/ intended use

END OF DOCUMENT

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