# Certificate of Constancy of Performance 0359-CPR-000565



In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), this certificate applies to the construction product(s).

Product(s):

Controlled door closing devices

(refer to attached appendix for details and conditions)

Placed on the market under the trade mark of:

**KEDAO HARDWARE HK LIMITED** 

UNIT B, 13/F PRAT COMM BLDG, 17-19 PRAT AVENUE, TSIMSHATSUI, KL.

Produced in the manufacturing plant(s):

A026

Intended use:

On fire and smoke compartmentation doors (to fulfil the self-closing

requirement 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 performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

This certificate was first issued on 14<sup>th</sup> September 2017 under CPR (305/2011) and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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.

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Date 14 Sep-2017

Issue 01

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# **Certificate of Constancy of Performance**

0359-CPR-000565



## Appendix to Certificate of Constancy of Performance 0359-CPR-000565

Model Ref: KEDAO; KE-322; KE-84.

#### Table A1. Mechanical test reports & Product classification for Door Closer from KEDAO.

Test Report	Model tested	Product Classification					
170120079GZU-001	KE-322	3	8	3	1 <sup>a</sup>	1	2
Evaluated function	Double action Floor spring, Fixed Power Size 3, with speed control and latch control						
Model numbers assessed as having same performance: KE-84							

## Table A2. Fire test report(s) for Door Closer from KEDAO. b.c

Toot Donort	Madel tested	Took Mothed	Fire resistance (minutes)			
Test Report	Model tested	Test Method	E - Integrity	I - Insulation		
170424001SHF-BP-1	KE-322	EN 1634-1:2014	60	60		
Model numbers assessed as having same performance: KE-84						
Double action single door leaf (with scalloped edges).						

#### Notes.

- a. Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A2).
- b. The door closer shall be installed in accordance with the installation instructions for the product(s).
- c. This certificate of constancy of performance, refers to the requirements for the product(s) described under the CPR. There may be other European Directives, where requirements need to be declared before CE marking can be affixed by the manufacturer or their authorised representative.

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0359-CPR-000565 Issue 01

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#### Table A3. EN 1154 Annex ZA Related Information for Door Closer from KEDAO.

Product:	Controlled door closing devices KEDAO: KE-322 & KE-84.				
Intended use:	On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors)				
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 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 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 (No Performance Determined)			
	Delayed closing (5.2.14)	NPD			
	Adjustable closing force (5.2.15)	NPD			
	Zero position (5.2.16)	Pass			
	Fire/smoke door suitability (5.2.18), Annex A	Grade 1, Suitable for use on fire/smoke doors (refer to Table A2)			
Durability of	Durability (5.2.2)	500,000 test cycles			
self-closing	Corrosion resistance	Grade 2,			
	(5.2.2 5.2.17.1, 5.2.17.2)	Neutral Salt Spray (NSS) for 48 hours			
Dangerous substances	See Clause ZA.3	No dangerous substances declared for this product/ intended use			

### **END OF DOCUMENT**

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