

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					
		3	8	3	1 ^a	1	2
170120079GZU-001	KE-322	3	8	3	1 ^a	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}

Test Report	Model tested	Test Method	Fire resistance (minutes)	
			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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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
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 2, Neutral Salt Spray (NSS) for 48 hours
Dangerous substances	See Clause ZA.3	No dangerous substances declared for this product/ intended use

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