Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AD5422

In compliance with *Regulation 305/2011/EU 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:

840 Size 4 Double Action Floor Spring.

Intended use: For use on fire / smoke compartmentation single leaf and double leaf doors

STANDARD FLOOR MOUNT APPLICATION.

Essential characteristics	Performance	Harmonised technical specification
	Mechanical Test Evidence: 169878 Fire **Test Evidence: 166580**	
Self closing 5.2.1 General		EN 1154:1996/A1:2002/AC:2006
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Pass size 4	
5.2.4 Opening moment	Pass size 4	
5.2.5 Efficiency	>60% size 4	
5.2.6 Closing time	Pass	
5.2.7 Angles of operation	Grade 3, >105°	
5.2.8 Overload performance	Pass	
5.2.9 Temperature dependence	-15°C to +40°C	
5.2.10 Fluid leakage	Pass	
5.2.11 Damage	Pass	
5.2.12 Latch control	Pass	
5.2.13 Back check (optional)	NPD	
5.2.14 Delayed closing (optional)	NPD	
5.2.15 Adjustable closing force (optional)	NPD	
5.2.16 Zero position (double action door closers only)	Pass	
5.2.18 Fire/smoke door suitability	Pass	
Essential characteristics	Performance	Harmonised technical specification
Durability of Self Closing 5.2.2 Durability	500,000 test cycles	EN 1154:1996/A1:2002/AC:2006
5.2.17.1 corrosion	Grade 3 (96 hours)	
5.2.17.2 corrosion	Pass	
Dangerous Substances Annex ZA3	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations	

Certificate of Constancy of Performance

2812-CPR-AD5422

Placed on the Market under the Name of

Sun-Q Door Controls Limited
No.171, Sec. 2, Liuqiao Rd., Yuanlin City,
Chnghua County 510, Taiwan

and produced in the manufacturing plant

K/020

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 Factory Production Control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 12/11/2020 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, or unless suspended or withdrawn by the Notified Product Certification Body.

Valid to: **21/03/2022**

ERO Project Reference: **EROWF10461**

Paul Duggan
Certification Manager

CE

CSF408-NL 5.0