

CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)
Notified Body Nr. 0370

No. **0370-CPR-2244**

In compliance with Regulation (EU) Nr. 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:

VENTILATION FOR BUILDINGS. FIRE DAMPERS

MODEL: **SCFC-PD**

Placed on the market under the name of:

SAFEAIR, S.L. (GRUPO KOOLAIR)

POL. IND. SAN ISIDRO
AVDA. SAN ISIDRO NAVE C-3
45223 SESEÑA (TOLEDO) SPAIN

And produced in the manufacturing plant:

POL. IND. SAN ISIDRO
AVDA. SAN ISIDRO NAVE C-3
45223 SESEÑA (TOLEDO) SPAIN

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

EN 15650:2010

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 5th February 2016 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is confirmed on 6th October 2023.

The monitoring assessment will be done before 31st October 2024

Bellaterra, 6th October 2023




LGAI Technological Center, S.A.
Xavier Ruiz Peña
Managing Director, Product Conformity B.U.



This document is not valid without its technical annex; whose number coincides with that of the certificate.

You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility

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Annex according to **EN 15650:2010**

VENTILATION FOR BUILDINGS. FIRE DAMPERS

CERTIFIED PERFORMANCE

Essential characteristics	Clauses in this European standard	Mandated level(s) or class(es)
Nominal activation conditions/sensitivity: - sensing element load bearing capacity - sensing element response temperature	4.2.1.2 4.2.1.2.2 4.2.1.2.3	PASS
Response delay (response time): - closure time	4.2.2.2	PASS
Operational reliability: - cycling	4.3.1, a)	50 Cycles
Fire resistance:		
- Integrity	4.1.1, a)	EI 120 (ve i ↔ o) S EI 180 (ho i ↔ o) S
- Insulation	4.1.1, b)	EI 120 (ve i ↔ o) S EI 180 (ho i ↔ o) S
- Smoke leakage	4.1.1, c)	EI 120 (ve i ↔ o) S EI 180 (ho i ↔ o) S
- mechanical stability (under E)	4.1.1, a)	EI 120 (ve i ↔ o) S EI 180 (ho i ↔ o) S
- maintenance of the cross section (under E)	4.1.1, a)	EI 120 (ve i ↔ o) S EI 180 (ho i ↔ o) S
Durability of response delay: - sensing element response to temperature and load bearing capacity	4.2.1.2.2 & 4.2.1.2.3	PASS
Durability of operational reliability: - open and closing cycle tests	4.3.3.2	10000 Cycles (motorized) 300 Cycles (manual)

PASS; NPD = No Performance Determined, NA = Not Apply

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PRODUCT

- Single blade Fire Damper, SCFC-PD.
- Dimensions of circular product range, 100mm of diameter up to diameter 353 mm. for flexible wall, rigid wall and slab.
- Classification:
 - EI 120 (ve i ↔ o) S for flexible wall.
 - EI 120 (ve i ↔ o) S for rigid wall.
 - EI 180 (ho i ↔ o) S for the slab.
- Damper tested with motor of the brand Belimo BFL 230-T and Siemens GNA3261E/T10.
- Tested with thermal trip mechanism placed on the same side of the actuator.
- Damper tested on rigid and flexible wall (vertical mounted) and on slab (horizontal mounted).
- 50 opening and closing cycles are performed prior to testing.
- Testing pressure: 500 Pa.
- Vertical and horizontal installation options:
 - Manual TH70 trigger mechanism and manual reset. Automatic closure with spring and Elsie fuse Mfg type B 70°C;
 - Manual TH70 trigger mechanism or remote control coil and manual reset;
 - Manual TH70 trigger mechanism or remote control by coil and motorized reset. Manual operation TH70 Elsie fuse Mfg type B 70°C, remote control with coil and reset Belimo BL24-48KO;
 - GNA.3261E / T10 of Siemens reset mechanism with thermal fuse 72°C;
 - Belimo BFL 230-T reset mechanism with thermal fuse 72°C.

The complete technical data of the certified product are detailed in the technical file and the test report nº 15/8577-939, 15/8577-2185, 16/8577-111 M1, 3P08908-4, 13-5709-3596, 15/8577-2821, 15/8577-2822, 17/14004-346, 19-19172-1476, 19/20637-2503 and 19/20966-2152.