LGAI Technological Center, S.A. (APPLUS)
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CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No. 0370-CPR-6632

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:

FIRE DETECTION AND FIRE ALARM SYSTEMS:

- SHORT-CIRCUIT ISOLATORS
- INPUT/OUTPUT DEVICES

ARITECH APIC (ADDRESSABLE PROTOCOL INTERFACE CARD) **9-30441**

Placed on the market under the name of:

CARRIER FIRE & SECURITY B.V.

KELVINSTRAAT, 7
6003 DH WEERT (THE NETHERLANDS)

And produced in the manufacturing plant:

CARRIER MANUFACTURING POLAND SPÓŁKA Z O. O.

UL. KOLEJOWA, 24, 39-100 ROPCZYCE (POLAND)

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

EN 54-17:2005, EN 54-17:2005/AC:2007; EN 54-18:2005, EN 54-18:2005/AC:2007

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 23rd December 2022 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. As of 1st June 2023, this and all previous modifications are confirmed.

The monitoring assessment will be done before 31st July 2024

Bellaterra, 1st June 2023

Applus
LGAI Technological Center, S.A.

Xavier Ruiz Peña
Managing Director, Product Conformity B.U.

ENAC
CERTIFICACIÓN
ISO 17065
Nº12 / C-PR054

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

CE

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Technical Annex Ed. 1
23/12/2022

0370-CPR-6632

Annex according to **EN 54-17:2005, EN 54-17:2005/AC:2007**

FIRE DETECTION AND FIRE ALARM SYSTEM. PART 17: SHORT-CIRCUIT ISOLATORS.

ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Compliance	4.1	PASS
Integral status indication	4.2	NA
Connection of ancillary devices	4.3	NA
Monitoring of detachable short-circuit isolators	4.4	NA
Manufacturer's adjustments	4.5	NA
On-site adjustments	4.6	NA
Marking	4.7	PASS
Data	4.8	PASS
Additional requirements for software controlled short-circuit isolators	4.9	PASS
Reproducibility	5.2	PASS
Variation in supply voltage	5.3	PASS
Dry heat (operational)	5.4	PASS
Cold (operational)	5.5	PASS
Damp heat, cyclic (operational)	5.6	PASS
Damp heat, steady state (endurance)	5.7	PASS
Sulphur dioxide (SO2) corrosion (endurance)	5.8	PASS
Shock (operational)	5.9	PASS
Impact (operational)	5.10	PASS
Vibration, sinusoidal (operational)	5.11	PASS
Vibration, sinusoidal (endurance))	5.12	PASS
Electromagnetic Compatibility (EMC), Immunity tests (operational)	5.13	PASS

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

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Annex according to **EN 54-18:2005, EN 54-18:2005/AC:2007**

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 18: INPUT/OUTPUT DEVICES

ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Functional test	5.1.4.	PASS
Performance and variation in supply parameters	5.2	PASS
Dry heat (operational)	5.3	PASS
Cold (operational)	5.4	PASS
Damp heat, cyclic (operational)	5.5	PASS
Damp heat, steady state (endurance)	5.6	PASS
Sulphur dioxide (SO2) corrosion (endurance)	5.7	PASS
Shock (operational)	5.8	PASS
Impact (operational)	5.9	PASS
Vibration, sinusoidal (operational)	5.10	PASS
Vibration, sinusoidal (endurance)	5.11	PASS
Electromagnetic Compatibility (EMC) Immunity tests	5.12	PASS

PASS; NPD = No Performance Determined; NA = Not Applicable

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0370-CPR-6632

The Addressable Protocol Interface Card (Aritech APIC 9-30441) meets the requirements of standards only when is installed inside ModuLaser Display (Min. Display, Std Display or Cmd Display described below) and used in conjunction with aspirating smoke detection modules compatible Aritech addressable fire systems.

APIC can work with or without isolator functionalities.

TYPE	SKU	DESCRIPCIÓN
Minimum Display Module	9-30780	AirSense ModuLaser Minimum Display
	9-30780-AUT (116-5861-018.2800)	Autronica Cascade Minimum Display
	9-30780-CHI	AirSense ModuLaser Minimum Display - CHI
	9-30780-EDW (FHSD8300)	Edwards ModuLaser Minimum Display
	9-30780-FIN (ACC0005-001-A)	Finsecur Modul Minimum Display
	9-30780-FRA	AirSense ModuLaser Minimum Display
	9-30780-KID	Kidde ModuLaser Minimum Display
Standard Display Module	9-30781	AirSense ModuLaser Standard Display
	9-30781-AUT (116-5861-018.2801)	Autronica Cascade Standard Display
	9-30781-CHI	AirSense ModuLaser Standard Display - CHI
	9-30781-EDW (FHSD8310)	Edwards ModuLaser Standard Display
	9-30781-FIN (ACC0006-001-A)	Finsecur Modul Standard Display
	9-30781-FRA	AirSense ModuLaser Standard Display
	9-30781-KID	Kidde ModuLaser Standard Display
Command Display Module	9-30782	AirSense ModuLaser Command Display
	9-30782-AUT (116-5861-018.2802)	Autronica Cascade Command Display
	9-30782-CHI	AirSense ModuLaser Command Display - CHI
	9-30782-EDW (FHSD8320)	Edwards ModuLaser Command Display
	9-30782-FIN (ACC0007-001-A)	Finsecur Modul Command Display
	9-30782-FRA	AirSense ModuLaser Command Display
	9-30782-KID	Kidde ModuLaser Command Display