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**Applus⊕**

# CE CERTIFICATE

Notified Body No. 0370

**ENAC**
CERTIFICACIÓN
Nº 127/C-PR05￩

No. **0370–CPR–3151**

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

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:

**FIRE DETECTION AND FIRE ALARM SYSTEMS.**
- **PART 17: SHORT-CIRCUIT ISOLATORS**
- **PART 18: INPUT/OUTPUT DEVICES**

ADDRESSABLE INPUT/OUTPUT DEVICES WITH SHORT CIRCUIT ISOLATOR:

| | | |
|---|---|---|
| **MAD-405-I** (5 Inputs) | **MAD-415-I** (5 Outputs) | **MAD-425-I** (5 Inputs & 5 Outputs) |
| **MAD-409-I** (10 Inputs) | **MAD-419-I** (10 Outputs) | **MAD-429-I** (10 Inputs & 10 Outputs) |

ACCESORIES:

**BOX-ONE** (Installation box)          **BOX-SIX** (Installation box)

Place on the market under the name of:

# DETNOV SECURITY, S.L.

C/ DE LA CIÈNCIA, 30-32
08840 VILADECANS (BARCELONA)

And produced in the manufacturing plant:

C/ DE LA CIÈNCIA, 30-32
08840 VILADECANS (BARCELONA)

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances 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 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 3rd December 2018 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed on 17th July 2020.

**The monitoring assessment will be done before 30th September 2021**

Bellaterra, 17th July 2020

**Applus⊕**
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 the number of certificate.*

*You can check the validity of this certificate into our website at: https://apps.applus.com/microsites/microsites/FECIP/login*

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Technical Annex Ed. 1
03/12/2018

## 0370–CPR–3151

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

| Essential characteristics | Clauses in this European Standard | Mandated level(s) or class(es) |
|---|---|---|
| Compliance | 4.1 | PASS |
| Integral status indication | 4.2 | PASS |
| Connection of ancillary devices | 4.3 | NA |
| Monitoring of detachable short-circuit isolators | 4.4 | NA |
| Manufacturer's adjustments | 4.5 | PASS |
| On-site adjustments | 4.6 | NA |
| Marking | 4.7 | PASS |
| Data | 4.8 | PASS |
| Additional requirements for software controlled short-circuit isolators | 4.9 | NA |
| 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

Technical Annex Ed. 1
03/12/2018

## 0370–CPR–3151

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

| 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 Apply