

**Schneider Electric Fire & Security Oy  
DECLARATION OF PERFORMANCE  
No. DP20001GB**

This document is a declaration of performance that the products identified below conform to the essential requirements that have been specified in the European Regulation 305/2011 covering construction products.

1. Unique identification code of the product-type:

Description: **Smoke Detectors, Short Circuit Isolators**

Model number(s): **EDE-222-I Esmi Essentia Optical Smoke Detector (FFS06720301)**

**Esmi Essentia Analogue Addressable Optical Smoke Detector with Short Circuit Isolator**

To be used in conjunction with the following base: **FFS06720300**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

**Each individual product is identified with a label containing a production date code with build standard number**

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**Fire detection and fire alarm systems**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

**Apollo Fire Detectors Ltd,  
36 Brookside Road, Havant, Hampshire, PO9 1JR  
CC0321 and APOLBECN.01**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

**Schneider Electric Fire & Security Oy  
Sokerilinnantie 11 C  
02600 Espoo  
Finland**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

**System 1**

7. Notified Body:

**DBI Certification A/S (Notified Body 2531)**

EC Certificate Number(s): **2531-CPR-CSP10985**

8. European Technical Assessment:

**Not applicable**

9. Declared performance

<b>Essential Characteristics</b>	<b>Standard EN54-7:2000 + A1:2002 + A2:2006</b>	<b>Performance</b>
Nominal activation conditions/Sensitivity. Response delay (response time) and Performance under fire conditions	4.8, 5.2, 5.3, 5.4, 5.6, 5.7, 5.18	Pass
Operational reliability	4.2 to 4.7, 4.9 to 4.11	Pass
Tolerance to supply voltage	5.5	Pass
Durability of operational reliability and response delay: temperature resistance	5.8, 5.9	Pass
Durability of operational reliability: vibration resistance	5.13 to 5.16	Pass
Durability of operational reliability: humidity resistance	5.10,5.11	Pass
Durability of operational reliability: corrosion resistance	5.12	Pass
Durability of operational reliability: electrical resistance	5.17	Pass

<b>Essential Characteristics</b>	<b>Standard EN54-17:2005</b>	<b>Performance</b>
Performance under fire conditions	5.2	Pass
Operational reliability	4	Pass
Durability of operational reliability: temperature resistance	5.4, 5.5	Pass
Durability of operational reliability: vibration resistance	5.9 to 5.12	Pass
Durability of operational reliability: humidity resistance	5.6, 5.7	Pass
Durability of operational reliability: corrosion resistance	5.8	Pass
Durability of operational reliability: electrical stability	5.3, 5.13	Pass
1) This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices		

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Espoo Finland 07.01.2020



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Atte Pihlava

Product Manager