



## Declaration of Performance – DOP0000059 EU According to Construction Products Regulation EU N° 305/2011

**1. Unique Product identification code:**

CA734

**2. Type number** allowing identification of the construction product as required pursuant to Article 11(4):

CAST Mini I/O Module

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

Short Circuit Isolators for use in Fire detection and fire alarm systems to  
EN 54-17: 2005

Input / Output Devices for use in Fire detection and fire alarm systems to  
EN 54-18: 2005

**4. Name, registered trade name** or registered trademark and contact address of the manufacturer as required pursuant to Article 11(5):

Computationics Limited (C-TEC)  
Challenge Way, Martland Park, Wigan, WN5 0LD. United Kingdom  
Tel: 01942 322744. Fax: 01942 829867

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

Not Applicable

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

System 1

**7. Notified body**, in the case of the declaration of performance concerning a construction product covered by a harmonized standard:

Loss Prevention Certification Board (LPCB) (Notified Body Number 2831)  
BRE Global Assurance (Ireland) Limited  
DCU Alpha, Old Finglas Road,  
Glasnevin, Dublin, D11 KXN4  
Ireland

**has performed type testing and the initial inspection of the manufacturing plant and of factory production control with continuous surveillance, assessment and approval of the factory production control under system 1 and issued following certificate of constancy of performance:**

2831-CPR-F2049

**8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**

Not applicable, see item 7



### 9(a). Declared performance:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. above have been determined as described in the hEN mentioned in the following table.

Technical Specification		EN 54-17: 2005
Essential Characteristics	Performance	Clause
<b>Performance under fire conditions</b> - Reproducibility <sup>(1)</sup>	Pass	5.2
<b>Operational reliability</b> - General requirements	Pass	4
<b>Durability of operational reliability (temperature resistance)</b> - Dry heat (operational) - Cold (operational)	Pass Pass	5.4 5.5
<b>Durability of operational reliability (vibration resistance)</b> - Shock (operational) - Impact (operational) - Vibration, sinusoidal (operational) - Vibration, sinusoidal (endurance)	Pass Pass Pass Pass	5.9 5.10 5.11 5.12
<b>Durability of operational reliability (humidity resistance)</b> - Damp heat, cyclic (operational) - Damp heat, steady state (operational)	Pass Pass	5.6 5.7
<b>Durability of operational reliability (corrosion resistance)</b> - Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	5.8
<b>Durability of operational reliability (electrical stability)</b> - Variation in supply voltage - Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass Pass	5.3 5.13

<sup>(1)</sup> 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.




### 9(b). Declared performance:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. above have been determined as described in the British Standard mentioned in the following table.

Technical Specification	EN 54-18: 2005	
Essential Characteristics	Performance	Clause
<b>Response delay (response time)</b> - Performance and variation in supply parameters <sup>(1)</sup>	Pass	5.2
<b>Performance under fire conditions</b> - Functional test	Pass	5.1.4
<b>Operational reliability</b> - Functional test	Pass	5.1.4
<b>Durability of operational reliability (temperature resistance)</b> - Dry heat (operational) - Cold (operational)	Pass Pass	5.3 5.4
<b>Durability of operational reliability (vibration resistance)</b> - Shock (operational) - Impact (operational) - Vibration, sinusoidal (operational) - Vibration, sinusoidal (endurance)	Pass Pass Pass Pass	5.8 5.9 5.10 5.11
<b>Durability of operational reliability (humidity resistance)</b> - Damp heat, cyclic (operational) - Damp heat, steady state (operational)	Pass Pass	5.5 5.6
<b>Durability of operational reliability (corrosion resistance)</b> - Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	5.7
<b>Durability of operational reliability (electrical stability)</b> - Performance and variation in supply parameters - Electromagnetic Compatibility (EMC) Immunity tests	Pass Pass	5.2 5.12

<sup>(1)</sup> Response delays may not be a function of the input/output device, in which case no assessment is made as part of this standard.

### 10. Empowered Signatory of Company

Name: Daniel Foster  
Position: Head of Science  
Signature:   
Date: 1 March 2022