

DECLARATION OF PERFORMANCE

No. 2831-CPR-F4095



According to Construction Products Regulation EU N° 305/2011

Product category

Product identification	IR Flame Detector (Conventional)
Type	BG-21
Intended use	Fire Detection and Fire Alarm Systems
Manufacturer	Autronica Fire and Security AS – PO Box 5620, 7483 Trondheim
System type	System 1
Notified body	BRE (Ireland) Nr. 2831
Certificate of Constancy of Performance (COP)	2831-CPR-F4095
Table of performance	See table below

Table of performance

Harmonised technical specification	EN 54-10:2002 +A1:2005	
Essential Characteristics	Performance	Clause
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions <ul style="list-style-type: none">- Classification- Reproducibility- Repeatability- Directional dependence- Fire sensitivity- Dazzling (operational)	Pass	4.2
	Pass	5.2
	Pass	5.3
	Pass	5.4
	Pass	5.5
	Pass	5.6
Operational reliability <ul style="list-style-type: none">- Individual alarm indication- Connection of ancillary devices- Monitoring of detachable detectors- Manufacturer's adjustments- On-site sensitivity adjustment- Data- Additional requirements for software-controlled detectors	Pass	4.3
	Pass	4.4
	Pass	4.5
	Pass	4.6
	Pass	4.7
	Pass	4.8
	Pass	4.9

Harmonised technical specification		EN 54-10:2002 +A1:2005	
Essential Characteristics	Performance	Clause	
Durability of operational reliability, temperature resistance - Dry heat (operational) - Cold (operational)	Pass Pass	5.7 5.8	
Durability of operational reliability, humidity resistance - Damp heat, cyclic (operational) - Damp heat, steady state (endurance)	Pass Pass	5.9 5.10	
Durability of operational reliability, corrosion resistance - Sulphur dioxide (502) corrosion (endurance)	Pass	5.11	
Durability of operational reliability, vibration resistance - Shock (operational) - Impact (operational) - Vibration, sinusoidal (operational) - Vibration, sinusoidal (endurance)	Pass Pass Pass Pass	5.12 5.13 5.14 5.15	
Tolerance to supply voltage - Variation in supply parameters (operational)	Pass	5.16	
Durability of operational reliability, electrical stability - Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.17	

The performance of the product identified as «Product identification» and «Type» is in conformity with the declared “Table of performance”. This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of Autronica Fire and Security:

Trondheim, Norway, 2020-12-11


