



1922-CPR-1459

DECLARATION OF PERFORMANCE

In accordance with 305/2011/EU
Ref: BİLGİ-CPR-202309-02

Product Code: teknim TFD-1271

Product Name: Intelligent Addressable Multisensor Detector (Smoke & Heat)
With Built in Isolator

Base : teknim TFA-0120

Manufacturer: Bilgi Elektronik San. ve Tic. A.Ş.
Dudullu Organize Sanayi Bölgesi 1.Cadde İsmet Tarman İş
Merkezi No:1 D:32 34776 Ümraniye - İstanbul / Türkiye

Intended Use: Fire Detection and Fire Alarm Systems Installed in Buildings

Systems of Assessment and Verification for Constancy of Performance: System 1

Harmonized Standards: EN 54-5:2017+A1:2018;
EN 54-7:2018;
EN 54-17:2005, EN 54-17:2005/AC:2007

Notified Body: DEDAL Attestation & Certification – NB No:1922

Essential Characteristics	Performance	EN 54-5:2017+A1:2018
Operational/ reliability		
— Position of heat sensitive element	Pass	4.2.1
— Individual alarm indication	Pass	4.2.2
— Connection of ancillary devices	Pass	4.2.3
— Monitoring of detachable point heat detectors	Pass	4.2.4
— Manufacturing adjustments	Pass	4.2.5
— On site adjustment of response behaviour	Pass	4.2.6
— Software controlled detectors (when provided)	Pass	4.2.7
Nominal activation conditions / Sensitivity		
— Directional dependence	Pass	4.3.1
— Static response temperature	Pass	4.3.2
— Response times from typical application temperature	Pass	4.3.3
— Response times from 25 °C	Pass	4.3.4
— Response times from high ambient temperature	Pass	4.3.5
— Reproducibility	Pass	4.3.6
Response delay (response time)		
— Additional test for suffix S point heat detectors	Pass	4.4.1
— Additional test for suffix R point heat detectors	Pass	4.4.2
Tolerance to supply voltage		
— Variation in supply parameters	Pass	4.5
Durability of Nominal activation conditions /Sensitivity		
Temperature resistance		
— Cold (operational)	Pass	4.6.1.1
— Dry heat (endurance)	N/A	4.6.1.2
Humidity resistance		
— Damp heat, cycling (operational)	Pass	4.6.2.1
— Damp heat, steady-state (endurance)	Pass	4.6.2.2
Corrosion resistance		
— Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	4.6.3
Vibration Resistance		
— Shock (operational)	Pass	4.6.4.1
— Impact (operational)	Pass	4.6.4.2
— Vibration, sinusoidal (operational)	Pass	4.6.4.3
— Vibration, sinusoidal (endurance)	Pass	4.6.4.4
Electrical stability		
— (EMC), immunity (operational)	Pass	4.6.5

Essential Characteristics	Performance	EN 54-7:2018
Operational reliability		
— Individual alarm indication	Pass	4.2.1
— Connection of ancillary devices	Pass	4.2.2
— Monitoring of detachable detectors	Pass	4.2.3
— Manufacturer's adjustments	Pass	4.2.4
— On site adjustment of response behaviour	Pass	4.2.5
— Protection against the ingress of foreign bodies	Pass	4.2.6
— Response to slowly developing fires	Pass	4.2.7
— Software controlled detector (when provided)	Pass	4.2.8
Nominal activation conditions / Sensitivity		
— Repeatability	Pass	4.3.1
— Directional dependence	Pass	4.3.2
— Reproducibility	Pass	4.3.3
Response delay (response time)		
— Air movement	Pass	4.4.1
— Dazzling	Pass	4.4.2
Tolerance to supply voltage		
— Variation in supply parameters	Pass	4.5
Performance parameters under fire conditions:		
— Fire sensitivity	Pass	4.6
Durability of Nominal activation condition / sensitivity		
Temperature resistance		
— Cold (operational)	Pass	4.7.1.1
— Dry heat (operational)	Pass	4.7.1.2
— Humidity resistance		
— Damp heat, steady - state (operational)	Pass	4.7.2.1
— Damp heat, steady - state (endurance)	Pass	4.7.2.2
Corrosion resistance		
— Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	4.7.3
Vibration Resistance		
— Shock (operational)	Pass	4.7.4.1
— Impact (operational)	Pass	4.7.4.2
— Vibration, sinusoidal (operational)	Pass	4.7.4.3
— Vibration, sinusoidal (endurance)	Pass	4.7.4.4
Electrical stability		
— EMC, immunity (operational)	Pass	4.7.5

Essential Characteristics	Performance	EN 54-17:2005+AC:2007
Performance under fire conditions		
— Reproducibility	Pass	5.2
Operational reliability		
— Requirements	Pass	4
Durability of operational reliability, temperature resistance		
— Dry heat (operational)	Pass	5.4
— Cold (operational)	Pass	5.5
Durability of operational reliability, vibration resistance		
— Shock (operational)	Pass	5.9
— Impact (operational)	Pass	5.10
— Vibration, sinusoidal (operational)	Pass	5.11
— Vibration, sinusoidal (endurance)	Pass	5.12
Durability of operational reliability, humidity resistance		
— Damp heat, cyclic (operational)	Pass	5.6
— Damp heat, steady state (endurance)	Pass	5.7
Durability of operational reliability, corrosion resistance		
— Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.8
Durability of operational reliability, electrical stability		
— Variation of supply parameters	Pass	5.3
— Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.13

The performance of the product identified above is in conformity with the set of declared performance characteristics. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Istanbul, 13.02.2023

Signed for and on behalf of the manufacturer by:

*Saruhan Acar
Vice General Manager*

